DESIGN DESIGNATION

A.A.D.T - 2024 = 505

V = 55 M.P.H

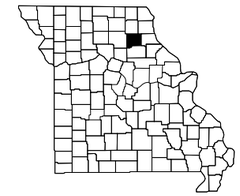
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY

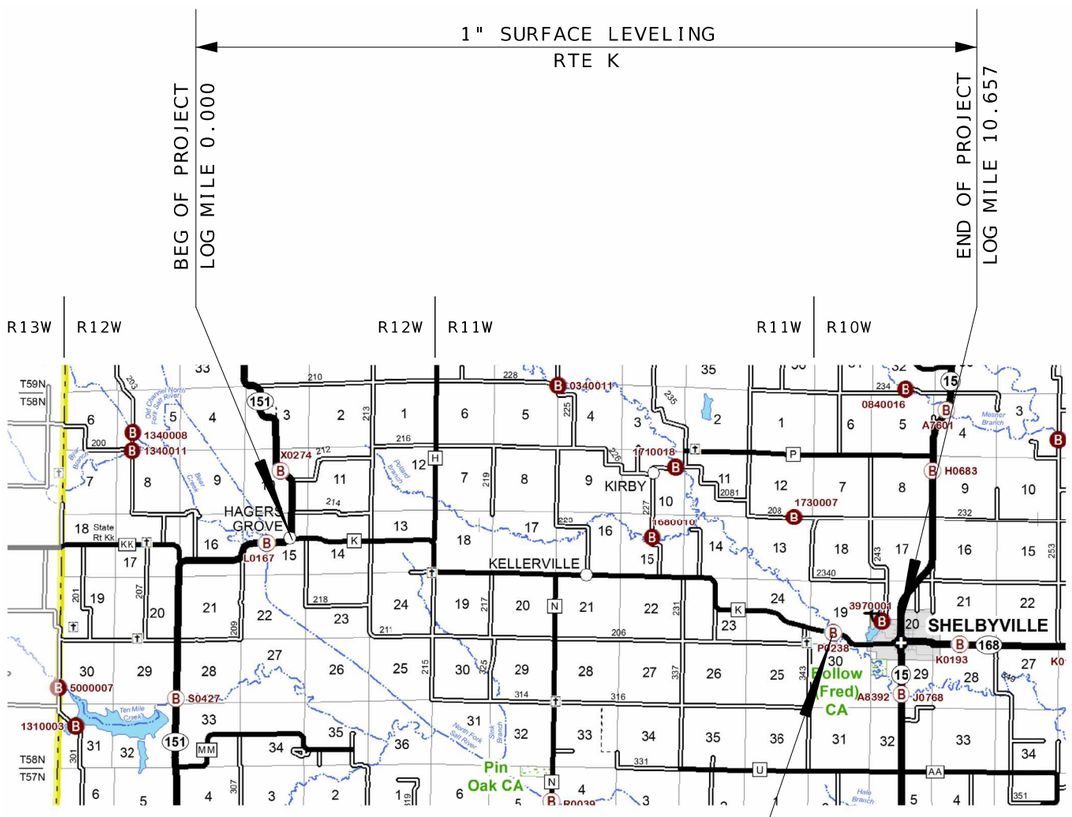
SHELBY COUNTY

T58N, R12W-R10W



KEY MAP

SHOWING LOCATION OF COUNTY



SCALE IN MILES

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (2 SHEETS)	3
SPECIAL SHEET (SS)	4-5

LENGTH OF PROJECT

RTE K

BEGIN OF PROJECT	LOG MILE	0.000
END OF PROJECT	LOG MILE	10.657
APPARENT LENGTH	MILES	10.657

EQUATIONS AND EXCEPTIONS:

BRIDGE A9344	0.069 MILES
TOTAL CORRECTIONS	0.069 MILES
NET LENGTH OF PROJECT	10.588 MILES
STATE LENGTH	10.588 MILES

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER

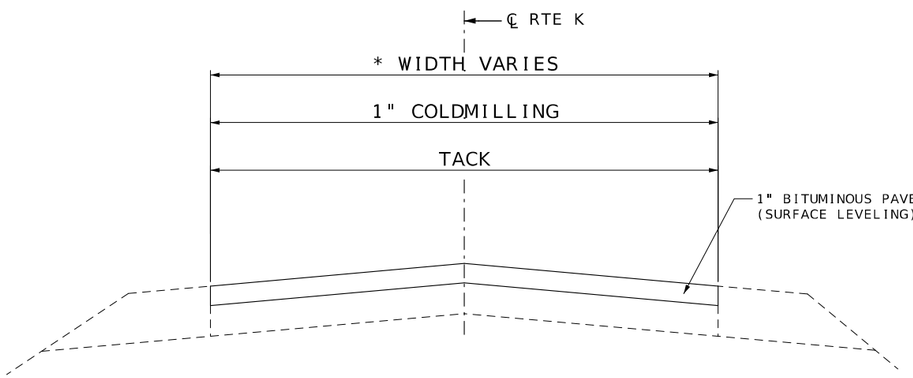
05/31/2024 11:20:44 AM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	
5/31/2024	
ROUTE: K	STATE: MO
DISTRICT: NE	SHEET NO.: 1
COUNTY: SHELBY	
JOB NO.: JNE0029	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

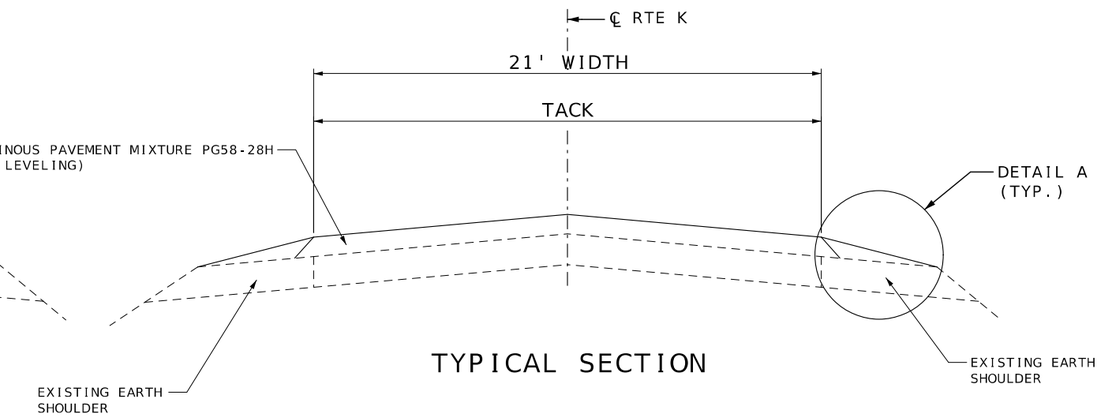
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



TYPICAL SECTION

* LOG MI. 10.387 TO 10.614 - 21'
* LOG MI. 10.614 TO 10.643 - 29'
* LOG MI. 10.643 TO 10.657 - 37'



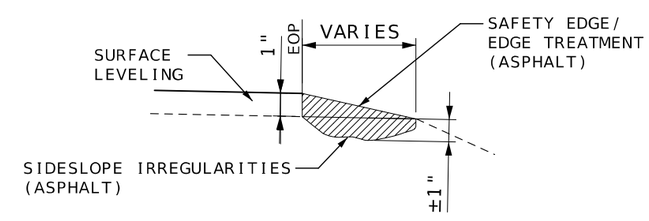
TYPICAL SECTION

* LOG MI. 0.000 TO 9.489 †
* LOG MI. 9.558 TO 10.387

† BRIDGE A9344 EXCEPTION
LOG MI. 9.489 TO 9.558

NOTE:
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.

ESTIMATE FACTORS
PROVIDED FOR INFORMATION PURPOSES ONLY
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING) = 1.948 TON/CY
TACK COAT (EXISTING SURFACE) = 0.08 GAL/SY
TACK COAT (COLDMILLING SURFACE) = 0.10 GAL/SY
GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.



NOTE:

THE ASPHALT SAFETY EDGE/EDGE TREATMENT (ASPHALT) AS WELL AS THE SIDESLOPE IRREGULARITIES (ASPHALT) SHALL BE LAID MONOLITHICALLY WITH THE SURFACE LEVELING AND ONE PASS.

DETAIL A

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER
05/31/2024 11:31:42 AM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	
5/31/2024	
ROUTE: K	STATE: MO
DISTRICT: NE	SHEET NO.: 2
COUNTY: SHELBY	
JOB NO.: JNE0029	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION SHEET
SHEET 1 OF 1
NOT TO SCALE

1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	1" SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	TACK COAT 0.10 GAL/ SQ. YD. (GAL)	REMARKS
0.000	0.018	95.04	1.00	21	670	36.3	53.6	-	BEG PROJECT
0.018	2.248	11774.40	1.00	21	27474	1486.6	2197.9	-	
2.248	4.627	12561.12	1.00	21	29309	1585.9	2344.7	-	
4.627	9.489	25671.36	1.00	21	59900	3241.3	4782.6	11.7	BRIDGE A9344
9.558	10.614	5575.68	1.00	21	13010	704.0	1022.1	23.4	
10.614	10.643	153.12	1.00	29	493	26.7	-	49.3	
10.643	10.657	73.92	1.00	37	304	16.4	-	30.4	END PROJECT
0.000	10.657	56268.96	-	-	-	676.6	-	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
0.000	10.657	56268.96	-	-	-	1598.6	-	-	ADDTL. 150 TONS/MILE FOR SURFACE IRREGULARITIES
					SUBTOTAL	9,372.4	10,400.9	114.8	
					SUBTOTAL	44.5	66.0	-	PAVED ENTRANCES
					TOTAL	9,416.9	10,582		

MODIFIED COLDMILLING (DEPTH TRANSITIONS)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
9.480	9.489	50.00	1.00	21	117	BRIDGE A9344
9.558	9.567	50.00	1.00	21	117	
10.378	10.387	50.00	1.00	21	117	WEST END SHELBYVILLE COLDMILLING
				SUBTOTAL	351	
				SUBTOTAL	74	PAVED ENTRANCES
				TOTAL	425	

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	COLDMILLING (SY)	REMARKS
10.387	10.614	1198.56	1.00	21	2796.64	SHELBYVILLE
10.614	10.643	153.12	1.00	29	493.39	SHELBYVILLE
10.643	10.657	73.92	1.00	37	303.89	SHELBYVILLE
				TOTAL	3,594	

AGGREGATE ENTRANCES

LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
0.000	10.387	47	2.0	94.0	PRIVATE AND FIELD ENTRANCES
0.000	10.387	32	4.0	128.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
			TOTAL	222.0	

STATE/COUNTY ROUTE JUNCTIONS AND PAVED ENTRANCES

LOG MILE	LOCATION	AREA (SY)	1" SURFACE LEVELING 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	MODIFIED COLDMILLING (SY)	REMARKS
2.248	LT.	500	27.1	40	26	RTE H
4.627	RT.	300	16.2	24	25	RTE N
10.237	RT.	23	1.2	2	23	CONCRETE ENTRANCE
		SUBTOTAL	44.5	66	74	

622-99.05 MISC. REMOVAL OF DAMAGED PAVEMENT (SY)	402-99.10 MISC. REPLACEMENT OF DAMAGED PAVEMENT (TONS)
450	180

CONSTRUCTION SIGNS

SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 11 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	10	160.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	20	320.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 7 TOTAL						
2	W020-1	48 X 48	16.00	7	112.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	7	112.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	7	112.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	7	10.50	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 2 TOTAL						
2	W020-1	48 X 48	16.00	2	32.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	2	32.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	2	32.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	2	17.50	PILOT CAR IN USE WAIT & FOLLOW
				TOTAL	1246.26	

NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM

REFER TO STD. PLANS 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS

REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS

MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION

TRAFFIC CONTROL DEVICES

QTY	DESCRIPTION
25	CHANNELIZERS (TRIM-LINE)

NOTE: FOR INFORMATIONAL PURPOSES ONLY.
SEE LUMP SUM PAY ITEM

MOBILIZATION

1 LUMP SUM

LUMP SUM TEMPORARY TRAFFIC CONTROL

ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER

06/21/2024 9:12:16 AM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED: 6/21/2024

ROUTE	STATE
K	MO

DISTRICT	SHEET NO.
NE	3

COUNTY: SHELBY

JOB NO.: JNE0029

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SUMMARY OF QUANTITIES SHEET
SHEET 1 OF 2

PAVEMENT MARKINGS

LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS: 4" YELLOW INTERMITTENT CENTERLINE (LF)	4" YELLOW SOLID/INTERMITTENT CENTERLINE (LF)	4" YELLOW DOUBLE SOLID CENTERLINE (LF)	4" WHITE SOLID EDGELINE (LF)	REMARKS
0.000	0.051	RTE K			539		
0.051	0.198	RTE K		970			EB INTERMITTENT AND WB SOLID
0.198	0.228	RTE K	40				
0.228	0.398	RTE K		1122			EB SOLID AND WB INTERMITTENT
0.398	0.867	RTE K			4953		
0.867	1.026	RTE K		1049			EB INTERMITTENT AND WB SOLID
1.026	1.168	RTE K		937			EB SOLID AND WB INTERMITTENT
1.168	1.196	RTE K	40				
1.196	1.332	RTE K		898			EB INTERMITTENT AND WB SOLID
1.332	2.014	RTE K	910				
2.014	2.186	RTE K		1135			EB SOLID AND WB INTERMITTENT
2.186	2.319	RTE K			1404		
2.319	2.481	RTE K		1069			EB INTERMITTENT AND WB SOLID
2.481	2.502	RTE K			222		
2.502	2.649	RTE K		970			EB SOLID AND WB INTERMITTENT
2.649	2.778	RTE K			1362		
2.778	2.955	RTE K		1168			EB INTERMITTENT AND WB SOLID
2.955	3.057	RTE K	140				
3.057	3.127	RTE K			739		
3.127	3.227	RTE K		660			EB SOLID AND WB INTERMITTENT
3.227	3.377	RTE K			1584		
3.377	3.591	RTE K		1412			EB SOLID AND WB INTERMITTENT
3.591	3.998	RTE K			4298		
3.998	4.167	RTE K		1115			EB INTERMITTENT AND WB SOLID
4.167	5.079	RTE K	1,210				
5.079	5.225	RTE K		964			EB SOLID AND WB INTERMITTENT
5.225	5.478	RTE K			2672		
5.478	5.519	RTE K		271			EB SOLID AND WB INTERMITTENT
5.519	5.569	RTE K	70				
5.569	5.675	RTE K		700			EB INTERMITTENT AND WB SOLID
5.675	5.687	RTE K	20				
5.687	5.817	RTE K		858			EB SOLID AND WB INTERMITTENT
5.817	5.864	RTE K	70				
5.864	5.975	RTE K		733			EB INTERMITTENT AND WB SOLID
5.975	6.079	RTE K	140				
6.079	6.194	RTE K		759			EB SOLID AND WB INTERMITTENT
6.194	6.247	RTE K	70				
6.247	6.305	RTE K		383			EB INTERMITTENT AND WB SOLID
6.305	6.369	RTE K			676		
6.369	6.471	RTE K		673			EB SOLID AND WB INTERMITTENT
6.471	6.481	RTE K	20				
6.481	6.626	RTE K		957			EB INTERMITTENT AND WB SOLID
6.626	6.686	RTE K	80				
6.686	7.064	RTE K		2495			EB SOLID AND WB INTERMITTENT
7.064	7.187	RTE K			1299		
7.187	7.339	RTE K		1003			EB INTERMITTENT AND WB SOLID
7.339	7.359	RTE K			211		
7.359	7.516	RTE K		1036			EB SOLID AND WB INTERMITTENT
7.516	7.656	RTE K			1478		
7.656	7.808	RTE K		1003			EB INTERMITTENT AND WB SOLID
7.808	7.842	RTE K	50				
7.842	7.958	RTE K		766			EB SOLID AND WB INTERMITTENT
7.958	8.031	RTE K	100				
8.031	8.114	RTE K		548			EB INTERMITTENT AND WB SOLID
8.114	8.241	RTE K	170				
8.241	8.406	RTE K		1089			EB SOLID AND WB INTERMITTENT
8.406	9.115	RTE K			7487		
9.115	9.279	RTE K		1082			EB INTERMITTENT AND WB SOLID
9.279	9.377	RTE K	130				
9.377	9.555	RTE K		1175			EB SOLID AND WB INTERMITTENT
9.555	10.145	RTE K			6230		
10.145	10.309	RTE K		1082			EB INTERMITTENT AND WB SOLID
10.309	10.618	RTE K	410				
10.618	10.657	RTE K			412		
0.000	10.147	RTE K				107,152	
0.000	10.147	RTE K				-270	EDGELINE EXCEPTIONS
		SUBTOTAL	3,670	30,082	35,566	106,882	
		TOTAL	69,318			106,882	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER

05/31/2024 11:23:41 AM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED
5/31/2024

ROUTE	STATE
K	MO
DISTRICT	SHEET NO.
NE	3

COUNTY
SHELBY

JOB NO.
JNE0029

CONTRACT ID.

PROJECT NO.

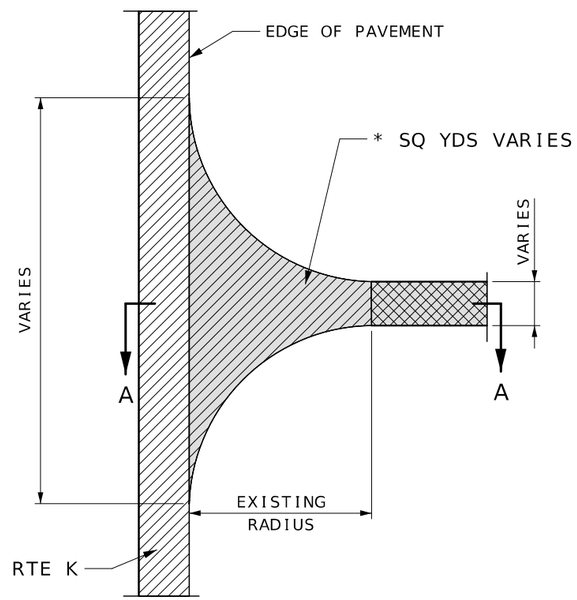
BRIDGE NO.

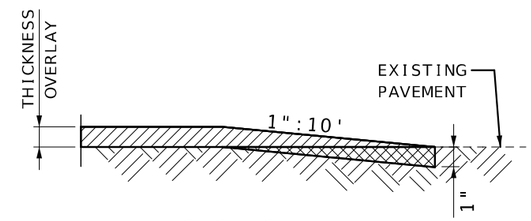
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

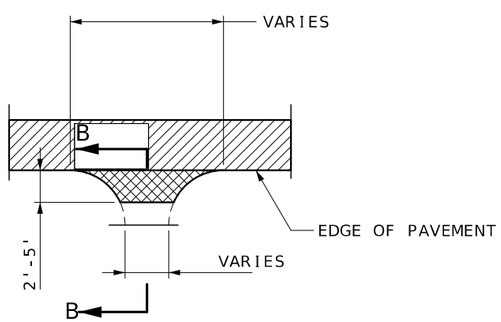
SUMMARY OF QUANTITIES SHEET
SHEET 2 OF 2

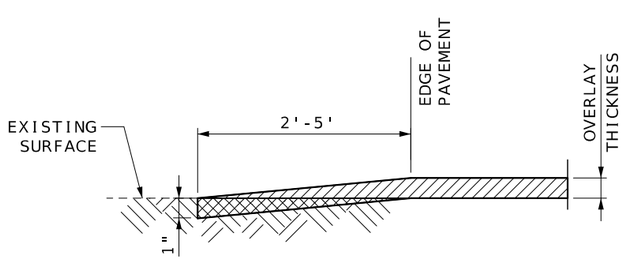




SECTION A-A
TYPICAL STATE ROUTE JUNCTION

* LM 2.248 LT./RTE H/500 SQ YDS
* LM 4.627 RT./RTE N/300 SQ YDS





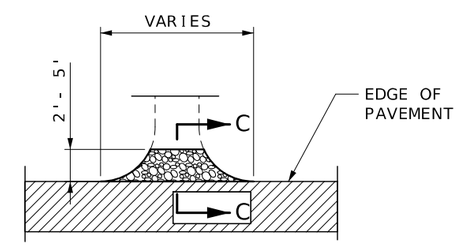
SECTION B-B
TYPICAL ASPHALT/CONCRETE ENTRANCE OR SIDE ROAD
(COUNTY ROADS, CITY STREETS AND
PRIVATE OR COMMERCIAL ENTRANCES)

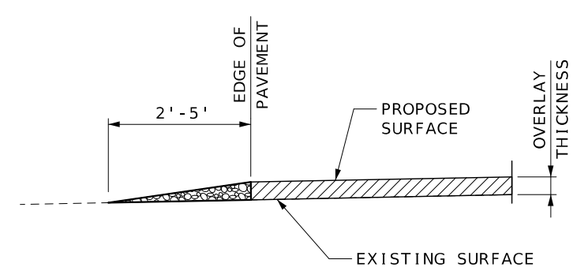
LEGEND

GRAVEL OR CRUSHED STONE

OVERLAY

MODIFIED COLDMILLING





SECTION C-C
TYPICAL AGGREGATE ENTRANCE
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,
COUNTY ROADS AND CITY STREETS)

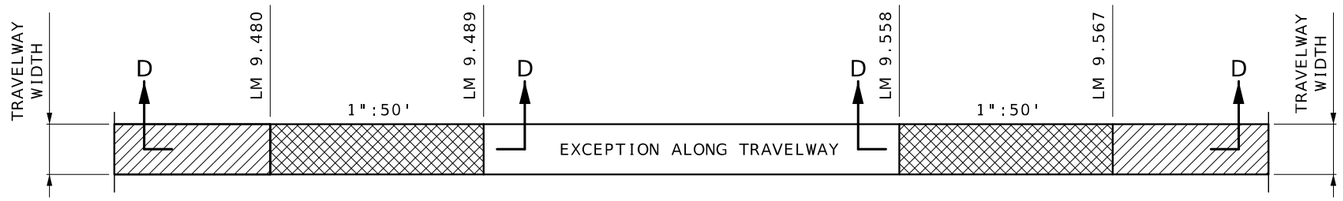
STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER
05/31/2024 11:24:14 AM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	5/31/2024
ROUTE	K
STATE	MO
DISTRICT	NE
SHEET NO.	4
COUNTY	SHELBY
JOB NO.	JNE0029
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

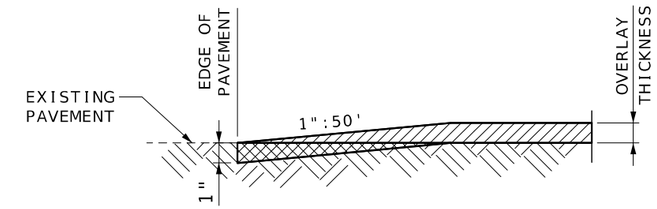
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

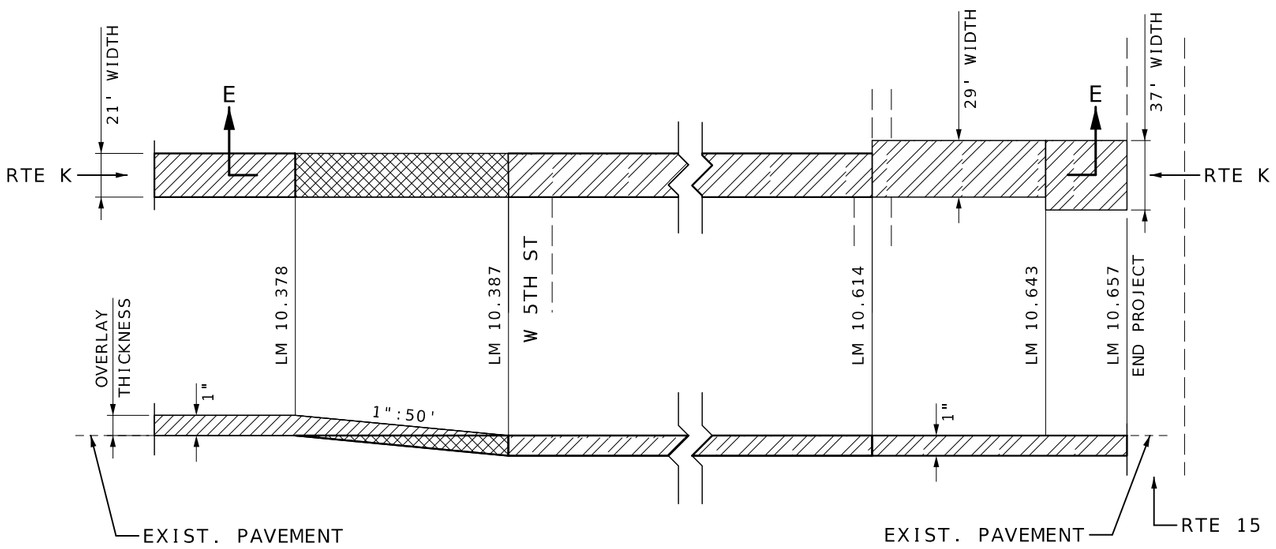
SPECIAL SHEET
SHEET 1 OF 2
NOT TO SCALE



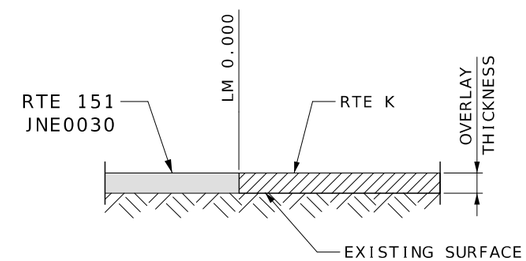
BRIDGE A9344 EXCEPTION



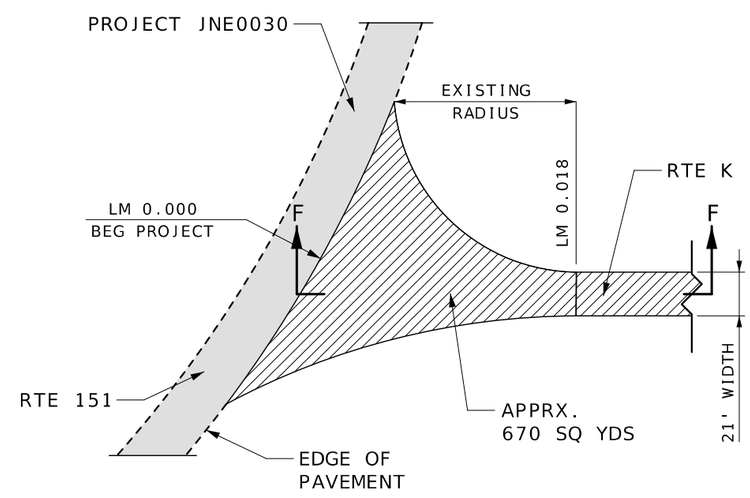
SECTION D-D
TRAVELWAY DEPTH TRANSITIONS



SECTION E-E
CITY OF SHELBYVILLE
TRAVELWAY DEPTH TRANSITIONS



SECTION F-F
STATE ROUTE JUNCTION



LEGEND

- OVERLAY
- MODIFIED COLDMILLING
- COLDMILLING

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER
05/31/2024 11:25:07 AM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	
5/31/2024	
ROUTE K	STATE MO
DISTRICT NE	SHEET NO. 5
COUNTY SHELBY	
JOB NO. JNE0029	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 2 OF 2
NOT TO SCALE

DESIGN DESIGNATION

A.A.D.T - 2022 = 287

V = 55 M.P.H

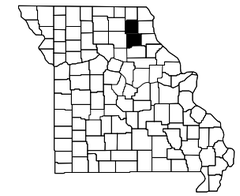
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY

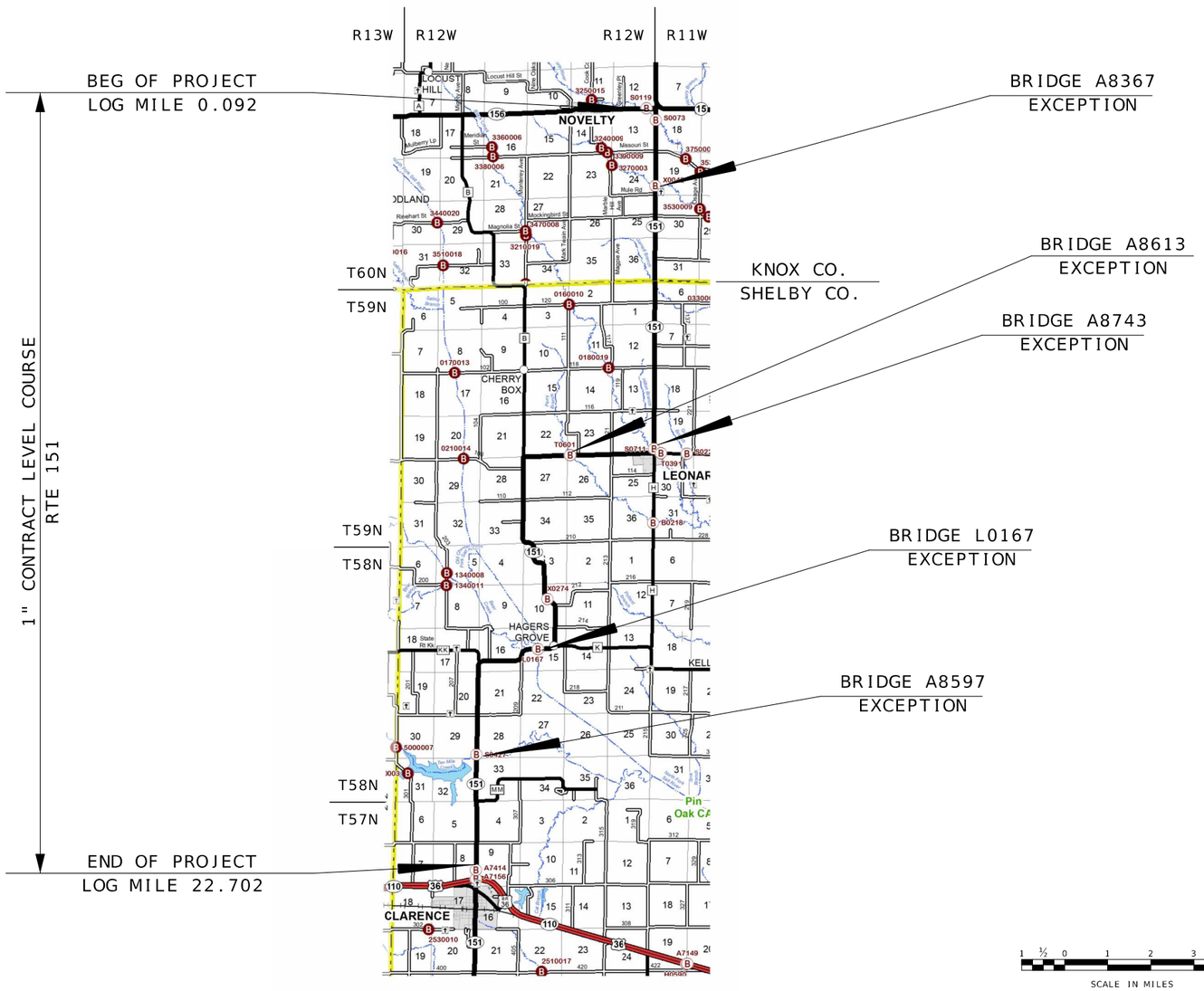
KNOX AND SHELBY COUNTIES

T60N-T57N, R12W



KEY MAP

SHOWING LOCATION OF COUNTY



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (2 SHEETS)	3
SPECIAL SHEET (SS) (4 SHEETS)	4-7

LENGTH OF PROJECT

RTE 151

BEGIN OF PROJECT	LOG MILE	0.092
END OF PROJECT	LOG MILE	22.702
APPARENT LENGTH	MILES	22.610

EQUATIONS AND EXCEPTIONS:

BRIDGE A8367	0.019 MILES
BRIDGE A8743	0.019 MILES
BRIDGE A8613	0.020 MILES
BRIDGE L0167	0.031 MILES
BRIDGE A8597	0.029 MILES

TOTAL CORRECTIONS	0.118 MILES
NET LENGTH OF PROJECT	22.492 MILES
STATE LENGTH	22.492 MILES

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER

05/31/2024 12:34:21 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED
5/31/2024

ROUTE	STATE
151	MO
DISTRICT	SHEET NO.
NE	1

COUNTY
KNOX/SHELBY

JOB NO.
JNE0030

CONTRACT ID.

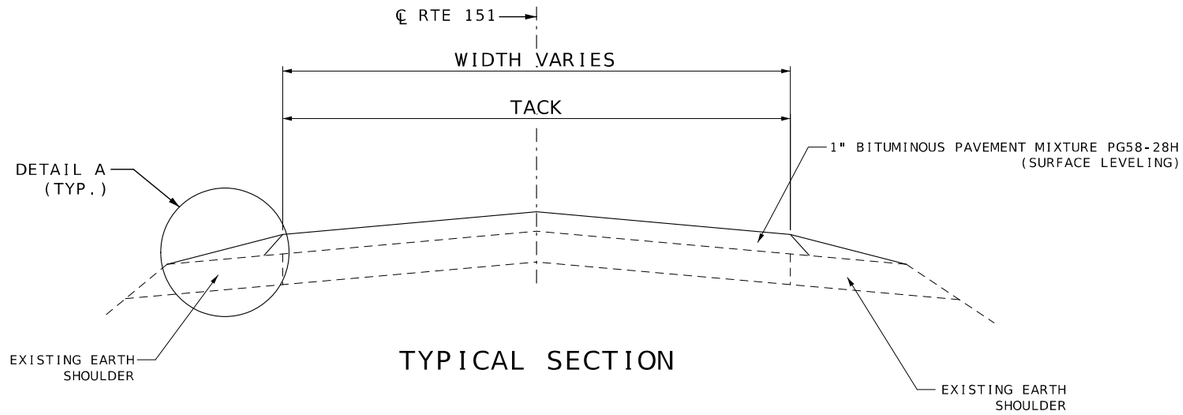
PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



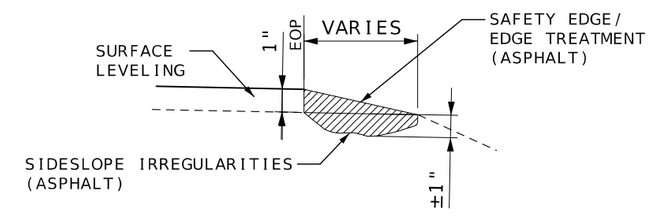
TYPICAL SECTION

LOG MI. 0.092 TO 8.125 - 21'
LOG MI. 8.125 TO 8.143 - 29'
LOG MI. 8.143 TO 8.170 - 33'
LOG MI. 8.170 TO 22.702 - 21'

BRIDGE EXCEPTIONS
BRIDGE A8367 LOG MI. 0.359 TO 0.378
BRIDGE A8743 LOG MI. 8.014 TO 8.033
BRIDGE A8613 LOG MI. 10.085 TO 10.105
BRIDGE L0167 LOG MI. 16.417 TO 16.448
BRIDGE A8597 LOG MI. 20.093 TO 20.122

NOTE:
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.

ESTIMATE FACTORS
PROVIDED FOR INFORMATION PURPOSES ONLY
BITUMINOUS PAVEMENT MIXTURE PG 58-28H SURFACE LEVELING = 1.948 TON/CY
TACK COAT (EXISTING SURFACE) = 0.08 GAL/SY
TACK COAT (COLDMILLING SURFACE) = 0.10 GAL/SY
GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.



NOTE:

THE ASPHALT SAFETY EDGE/EDGE TREATMENT (ASPHALT) AS WELL AS THE SIDESLOPE IRREGULARITIES (ASPHALT) SHALL BE LAID MONOLITHICALLY WITH THE SURFACE LEVELING AND ONE PASS.

DETAIL A

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER
06/25/2024 1:58:40 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	
6/25/2024	
ROUTE 151	STATE MO
DISTRICT NE	SHEET NO. 2
COUNTY KNOX/SHELBY	
JOB NO. JNE0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION SHEET
SHEET 1 OF 1
NOT TO SCALE

1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	TACK COAT 0.10 GAL/ SQ. YD. (GAL)	REMARKS
0.092	0.101	50.00	1.00	21	117	6.3	-	11.7	BEG PROJECT
0.101	0.350	1314.72	1.00	21	3068	166.0	245.4	-	
0.350	0.359	50.00	1.00	21	117	6.3	-	11.7	BRIDGE TRANSITION
0.359	0.378	195.36	-	-	-	-	-	-	BRIDGE A8367 EXCEPTION
0.378	0.387	50.00	1.00	21	117	6.3	-	11.7	BRIDGE TRANSITION
0.387	8.005	40223.04	1.00	21	93854	5078.5	7508.3	-	
8.005	8.014	50.00	1.00	21	117	6.3	-	11.7	BRIDGE TRANSITION
8.014	8.033	147.84	-	-	-	-	-	-	BRIDGE A8743 EXCEPTION
8.033	8.042	50.00	1.00	21	117	6.3	-	11.7	BRIDGE TRANSITION
8.042	8.125	VARIES	1.00	VARIES	400	21.6	32.0	-	JCTN 151/H/M INTERSECTION ONLY
8.125	8.143	95.04	1.00	29	306	16.6	24.5	-	FROM INTERSECTION TO PAST GAS STATION
8.143	8.170	142.56	1.00	33	523	28.3	38.6	4.0	FROM GAS STATION TO PAST POST OFFICE IN LEONARD
8.170	8.184	73.92	1.00	21-24	185	10.0	14.8	-	TRAVELWAY TAPER 24' TO 21'
8.184	10.076	9989.76	1.00	21	23309	1261.3	1864.7	-	
10.076	10.085	50.00	1.00	21	117	6.3	-	11.7	BRIDGE TRANSITION
10.085	10.105	105.60	-	-	-	-	-	-	BRIDGE A8613 EXCEPTION
10.105	10.114	50.00	1.00	21	117	6.3	-	11.7	BRIDGE TRANSITION
10.114	11.141	5422.56	1.00	21	12653	684.7	1012.2	-	
11.141	11.169	147.84	1.00	VARIES	1067	57.7	85.4	-	RTE B JUNCTION
11.169	16.408	27661.92	1.00	21	64544	3492.5	5163.5	-	
16.408	16.417	50.00	1.00	21	117	6.3	-	11.7	BRIDGE TRANSITION
16.417	16.448	258.72	-	-	-	-	-	-	BRIDGE L0167 EXCEPTION
16.448	16.457	50.00	1.00	21	117	6.3	-	11.7	BRIDGE TRANSITION
16.457	20.084	19150.56	1.00	21	44685	2418.0	3574.8	-	
20.084	20.093	50.00	1.00	21	117	6.3	-	11.7	BRIDGE TRANSITION
20.093	20.122	200.64	-	-	-	-	-	-	BRIDGE A8597 EXCEPTION
20.122	20.131	50.00	1.00	21	117	6.3	-	11.7	BRIDGE TRANSITION
20.131	22.702	13574.88	1.00	21	31675	1714.0	2534.0	-	END PROJECT
0.076	22.702	119465.28	-	-	-	1436.5	-	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
0.076	22.702	119465.28	-	-	-	3393.9	-	-	ADDTL. 150 TONS/MILE FOR SURFACE IRREGULARITIES
-	-	-	-	-	-	74.5	-	141	PAVED ENTRANCES
					SUBTOTAL	19,923.4	22,098.2	273.7	
					TOTAL	19,923.4	22,372		

MOBILIZATION

1 LUMP SUM

MODIFIED COLDMILLING (DEPTH TRANSITIONS)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
0.092	0.101	50.00	1.00	21	117	BEG PROJECT
0.350	0.359	50.00	1.00	21	117	TO BRIDGE A8367
0.378	0.387	50.00	1.00	21	117	FROM BRIDGE A8367
8.005	8.014	50.00	1.00	21	117	TO BRIDGE A8743
8.033	8.042	50.00	1.00	21	117	FROM BRIDGE A8743
8.156	8.161	30.00	1.00	12	40	MILLING @ CONCRETE ENTRANCE AT POST OFFICE
10.076	10.085	50.00	1.00	21	117	TO BRIDGE A8613
10.105	10.114	50.00	1.00	21	117	FROM BRIDGE A8613
16.408	16.417	50.00	1.00	21	117	TO BRIDGE L0167
16.448	16.457	50.00	1.00	21	117	FROM BRIDGE L0167
20.084	20.093	50.00	1.00	21	117	TO BRIDGE A8597
20.122	20.131	50.00	1.00	21	117	FROM BRIDGE A8597
				SUBTOTAL	1,327	
				TOTAL	1,327	

CONSTRUCTION SIGNS

SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 23 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	22	352.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	44	704.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 6 TOTAL						
2	W020-1	48 X 48	16.00	6	96.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	6	96.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	6	96.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	6	9.00	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 5 TOTAL						
2	W020-1	48 X 48	16.00	5	80.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	5	80.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	5	80.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	5	43.75	PILOT CAR IN USE WAIT & FOLLOW
CONSTRUCTION SIGNS TOTAL					1943.01	
CONSTRUCTION SIGNS TOTAL (USE)					1944	

NOTE: FOR IMFORMATIONAL PURPOSES ONLY.
REFER TO STD. PLANS 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS
REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS
MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION

STATE/COUNTY ROUTE JUNCTIONS AND PAVED ENTRANCES

LOG MILE	LOCATION	AREA (SY)	1" SURFACE LEVELING 1.948 TONS/CY (TONS)	TACK COAT 0.10 GAL/ SQ. YD. (GAL)	MODIFIED COLDMILLING (SY)	REMARKS
8.110	-	200	10.8	20	24	RTE M
8.110	-	24	1.3	3	24	RTE H
8.315	-	6	0.3	1	6	CHURCH SIDEWALK
11.151	-	117	6.3	12	117	RTE B
17.925	-	574	31.1	58	24	RTE KK
19.830	-	33	1.8	4	33	CONCRETE PE
21.159	-	424	22.9	43	24	RTE MM
		SUBTOTAL	74.5	141	252	

LUMP SUM TEMPORARY TRAFFIC CONTROL

ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

TRAFFIC CONTROL DEVICES

QTY	DESCRIPTION
100	CHANNELIZERS (TRIM-LINE)

NOTE: FOR INFORMATIONAL PURPOSES ONLY.
SEE LUMP SUM PAY ITEM

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER
06/25/2024 1:59:22 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	6/25/2024
ROUTE	151
STATE	MO
DISTRICT	NE
SHEET NO.	3
COUNTY	KNOX/SHELBY
JOB NO.	JNE0030
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SUMMARY OF QUANTITIES SHEET
SHEET 1 OF 2

PAVEMENT MARKINGS

LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS 4" YELLOW INTERMITTENT CENTERLINE L.F.	4" YELLOW SOLID/ INTERMITTENT CENTERLINE L.F.	4" YELLOW DOUBLE SOLID CENTERLINE L.F.	4" WHITE SOLID EDGELINE L.F.	REMARKS
0.092	0.101	RTE 151			100	100	
0.101	0.241	RTE 151		924		1,478	NB SOLID/SB INT
0.241	0.301	RTE 151	80			634	
0.301	0.480	RTE 151		1181		1,890	NB INT/SB SOLID
0.480	0.619	RTE 151		917		1,468	NB SOLID/SB INT
0.619	0.639	RTE 151			211	211	
0.639	0.778	RTE 151		917		1468	NB INT/SB SOLID
0.778	0.858	RTE 151			845	845	
0.858	0.997	RTE 151		917		1468	NB SOLID/SB INT
0.997	1.016	RTE 151	30			201	
1.016	1.126	RTE 151		726		1162	NB INT/SB SOLID
1.126	1.200	RTE 151	100			781	
1.200	1.316	RTE 151		766		1225	NB SOLID/SB INT
1.316	1.424	RTE 151	140			1140	
1.424	1.595	RTE 151		1129		1806	NB INT/SB SOLID
1.595	1.615	RTE 151			211	211	
1.615	1.774	RTE 151		1049		1679	NB SOLID/SB INT
1.774	2.093	RTE 151	420			3369	
2.093	2.261	RTE 151		1109		1774	NB INT/SB SOLID
2.261	2.391	RTE 151			1373	1373	
2.391	2.510	RTE 151		785		1257	NB SOLID/SB INT
2.510	2.530	RTE 151			211	211	
2.530	2.650	RTE 151		792		1267	NB INT/SB SOLID
2.650	2.710	RTE 151			634	634	
2.710	2.849	RTE 151		917		1468	NB SOLID/SB INT
2.849	2.869	RTE 151			211	211	
2.869	2.989	RTE 151		792		1267	NB INT/SB SOLID
2.989	3.029	RTE 151	50			422	
3.029	3.148	RTE 151		785		1257	NB SOLID/SB INT
3.148	3.606	RTE 151	600			4836	
3.606	3.786	RTE 151		1188		1901	NB INT/SB SOLID
3.786	4.145	RTE 151			3791	3791	
4.145	4.225	RTE 151		528		845	NB SOLID/SB INT
4.225	4.324	RTE 151	130			1045	
4.324	4.503	RTE 151		1181		1890	NB INT/SB SOLID
4.503	4.563	RTE 151			634	634	
4.563	4.682	RTE 151		785		1257	NB SOLID/SB INT
4.682	4.722	RTE 151			422	422	
4.722	4.901	RTE 151		1181		1890	NB INT/SB SOLID
4.901	5.360	RTE 151			4847	4847	
5.360	5.499	RTE 151		917		1468	NB SOLID/SB INT
5.499	5.523	RTE 151			253	253	
5.523	5.678	RTE 151		1023		1637	NB INT/SB SOLID
5.678	5.778	RTE 151			1056	1056	
5.778	5.977	RTE 151		1313		2101	NB SOLID/SB INT
5.977	6.277	RTE 151	400			3168	
6.277	6.357	RTE 151		528		845	NB INT/SB SOLID
6.357	6.397	RTE 151	50			422	
6.397	6.496	RTE 151		653		1045	NB SOLID/SB INT
6.496	7.572	RTE 151			11363	11363	
7.572	7.671	RTE 151		653		1045	NB SOLID/SB INT
7.671	7.751	RTE 151			845	845	
7.751	7.771	RTE 151		132		211	NB INT/SB SOLID
7.771	7.811	RTE 151	50			422	
7.811	7.931	RTE 151		792		1267	NB SOLID/SB INT
7.931	7.960	RTE 151	40			306	
7.960	8.070	RTE 151		726		1162	NB INT/SB SOLID
8.070	8.099	RTE 151			306	306	
8.125	8.172	RTE 151			496		
8.172	8.322	RTE 151		990			NB SOLID/SB INT
8.322	8.331	RTE 151			95		
8.322	8.442	RTE 151		792			NB INT/SB SOLID
8.442	8.482	RTE 151		264		422	NB INT/SB SOLID
8.482	8.601	RTE 151			1257	1257	
8.601	8.761	RTE 151		1056		1690	NB SOLID/SB INT
8.761	8.920	RTE 151		1049		1679	NB INT/SB SOLID
8.920	9.099	RTE 151			1890	1890	
9.099	9.199	RTE 151		660		1056	NB SOLID/SB INT
9.199	9.358	RTE 151			1679	1679	
9.358	9.506	RTE 151		977		1563	NB SOLID/SB INT
9.506	9.637	RTE 151		865		1383	NB INT/SB SOLID
9.637	9.737	RTE 151			1056	1056	
9.737	9.896	RTE 151		1049		1679	NB SOLID/SB INT
9.896	10.115	RTE 151	290			2313	
10.115	10.274	RTE 151		1049		1679	NB INT/SB SOLID
10.274	10.354	RTE 151		528		845	NB SOLID/SB INT
10.354	10.442	RTE 151			929	929	
10.442	10.473	RTE 151		205		327	NB INT/SB SOLID
10.473	10.553	RTE 151	110			845	
10.553	10.652	RTE 151		653		1045	NB SOLID/SB INT
10.652	11.110	RTE 151	610			4836	
11.110	11.151	RTE 151			433	433	
11.151	11.727	RTE 151	760			6083	
11.727	11.867	RTE 151		924		1478	NB INT/SB SOLID
11.867	11.906	RTE 151	50			412	
11.906	12.006	RTE 151		660		1056	NB SOLID/SB INT
12.006	12.225	RTE 151	290			2313	
12.225	12.365	RTE 151		924		1478	NB INT/SB SOLID
12.365	12.405	RTE 151	50			422	
12.405	12.485	RTE 151		528		845	NB SOLID/SB INT
12.485	12.525	RTE 151			422	422	
12.525	12.664	RTE 151		917		1468	NB INT/SB SOLID
12.664	12.804	RTE 151		924		1478	NB SOLID/SB INT
12.804	12.853	RTE 151			517	517	
12.853	12.983	RTE 151		858		1373	NB INT/SB SOLID
12.983	14.381	RTE 151			14763	14763	

PAVEMENT MARKINGS

LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS 4" YELLOW INTERMITTENT CENTERLINE L.F.	4" YELLOW SOLID/ INTERMITTENT CENTERLINE L.F.	4" YELLOW DOUBLE SOLID CENTERLINE L.F.	4" WHITE SOLID EDGELINE L.F.	REMARKS
14.381	14.501	RTE 151		792		1267	NB INT/SB SOLID
14.501	14.540	RTE 151			412	412	
14.540	14.700	RTE 151		1056		1690	NB INT/SB SOLID
14.700	15.098	RTE 151			4203	4203	
15.098	15.258	RTE 151		1056		1690	NB SOLID/SB INT
15.258	15.298	RTE 151			422	422	
15.298	15.418	RTE 151		792		1267	NB INT/SB SOLID
15.418	15.617	RTE 151			2101	2101	
15.617	15.766	RTE 151		983		1573	NB SOLID/SB INT
15.766	15.817	RTE 151	70			539	
15.817	15.996	RTE 151		1181		1890	NB INT/SB SOLID
15.996	16.146	RTE 151			1584	1584	
16.146	16.248	RTE 151		673		1077	NB SOLID/SB INT
16.248	16.327	RTE 151			834	834	
16.327	16.427	RTE 151		660		1056	NB INT/SB SOLID
16.427	16.466	RTE 151			412	412	
16.466	16.526	RTE 151		396		634	NB SOLID/SB INT
16.526	16.626	RTE 151			1056	1056	
16.626	16.705	RTE 151		521		834	NB INT/SB SOLID
16.705	17.223	RTE 151			5470	5470	
17.223	17.402	RTE 151		1181		1890	NB SOLID/SB INT
17.402	17.422	RTE 151	30			211	
17.422	17.565	RTE 151		944		1510	NB INT/SB SOLID
17.565	17.621	RTE 151				591	
17.621	17.701	RTE 151		528		845	NB SOLID/SB INT
17.701	18.073	RTE 151			3928	3928	
18.073	18.212	RTE 151		917		1468	NB SOLID/SB INT
18.212	18.252	RTE 151			422	422	
18.252	18.391	RTE 151		917		1468	NB INT/SB SOLID
18.391	18.619	RTE 151			2408	2408	
18.619	18.789	RTE 151		1122		1795	NB SOLID/SB INT
18.789	18.829	RTE 151	50			422	
18.829	19.008	RTE 151		1181		1890	NB INT/SB SOLID
19.008	19.346	RTE 151			3569	3569	
19.346	19.486	RTE 151		924		1478	NB SOLID/SB INT
19.486	19.506	RTE 151			211	211	
19.506	19.645	RTE 151		917		1468	NB INT/SB SOLID
19.645	21.058	RTE 151			14921	14921	
21.058	21.217	RTE 151		1049		1679	NB SOLID/SB INT
21.217	21.237	RTE 151			211	211	
21.237	21.375	RTE 151		911		1457	NB INT/SB SOLID
21.375	21.404	RTE 151			306	306	
21.404	21.583	RTE 151		1181		1890	NB SOLID/SB INT
21.583	21.733	RTE 151	200			1584	
21.733	21.891	RTE 151		1043		1668	NB INT/SB SOLID
21.891	22.070	RTE 151			1890	1890	
22.070	22.188	RTE 151		779		1246	NB SOLID/SB INT
21.583	22.237	RTE 151			6906	6906	
22.237	22.356	RTE 151		785		1257	NB INT/SB SOLID
22.356	22.525	RTE 151		1115		1785	NB SOLID/SB INT
22.525	22.702	RTE 151	230			1869	
		RTE M			150		
		RTE H			50		
		RTE B	30				
		RTE KK			70		
		RTE MM			100		
0.092	22.969	RTE 151				-1285	EDGELINE EXCEPTIONS
		SUBTOTAL	4,860	64,782	102,486	240,240	
		TOTAL		172,128		240,240	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

AGGREGATE ENTRANCES

LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
0.076	22.702	135	2.0	270.0	PRIVATE AND FIELD ENTRANCES
0.076	22.702	65	4.0	260.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
			TOTAL	530.0	

622-99.05 MISC. REMOVAL OF DAMAGED PAVEMENT PER SQ. YD.	402-99.10 MISC. REPLACEMENT OF DAMAGED PAVEMENT PER TON
3250	1300

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER

05/31/2024 12:59:46 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

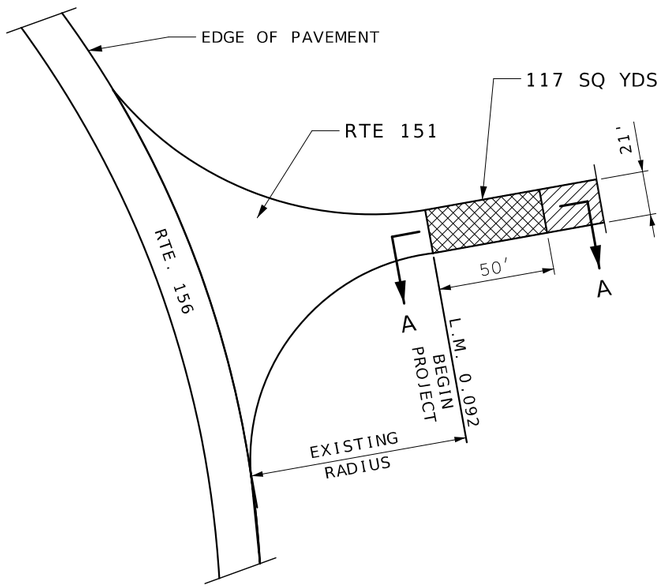
DATE PREPARED 5/31/2024

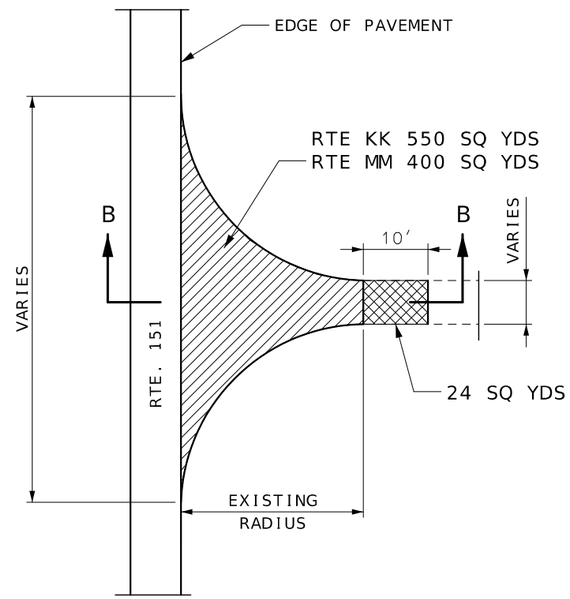
ROUTE 151 | STATE MO
DISTRICT NE | SHEET NO. 3
COUNTY KNOX/SHELBY
JOB NO. JNE0030
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

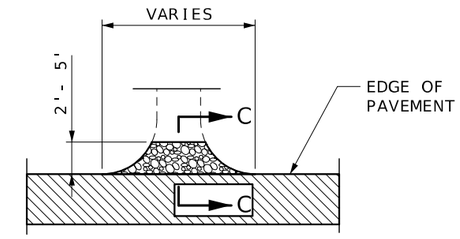
DESCRIPTION | DATE

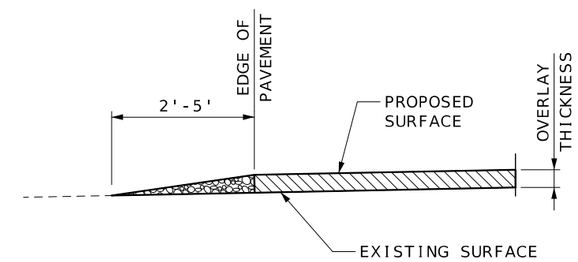
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SUMMARY OF QUANTITIES SHEET
SHEET 2 OF 2

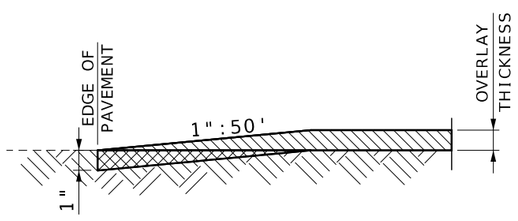




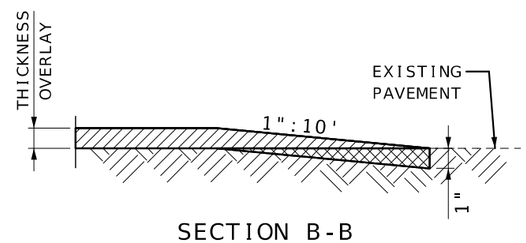




SECTION C-C
TYPICAL AGGREGATE ENTRANCE
(FIELD, PRIVATE, COMMERCIAL ENTRANCES, COUNTY ROADS AND CITY STREETS)

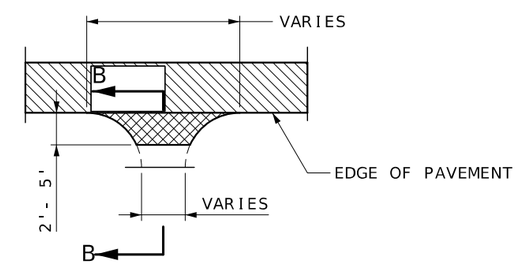


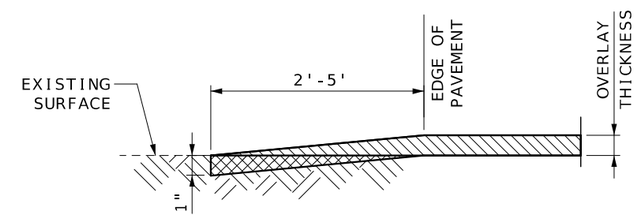
SECTION A-A
BEGIN PROJECT LM 0.092



SECTION B-B
TYPICAL STATE/COUNTY ROUTE JUNCTION

* LM 17.925 RT./RTE KK/574 SQ YDS
* LM 21.159 LT./RTE MM/424 SQ YDS





SECTION B-B
TYPICAL ASPHALT/CONCRETE ENTRANCE OR SIDE ROAD
(COUNTY ROADS, CITY STREETS, SIDEWALK AND PRIVATE OR COMMERCIAL ENTRANCES)

LEGEND

- GRAVEL OR CRUSHED STONE
- OVERLAY
- MODIFIED COLDMILLING

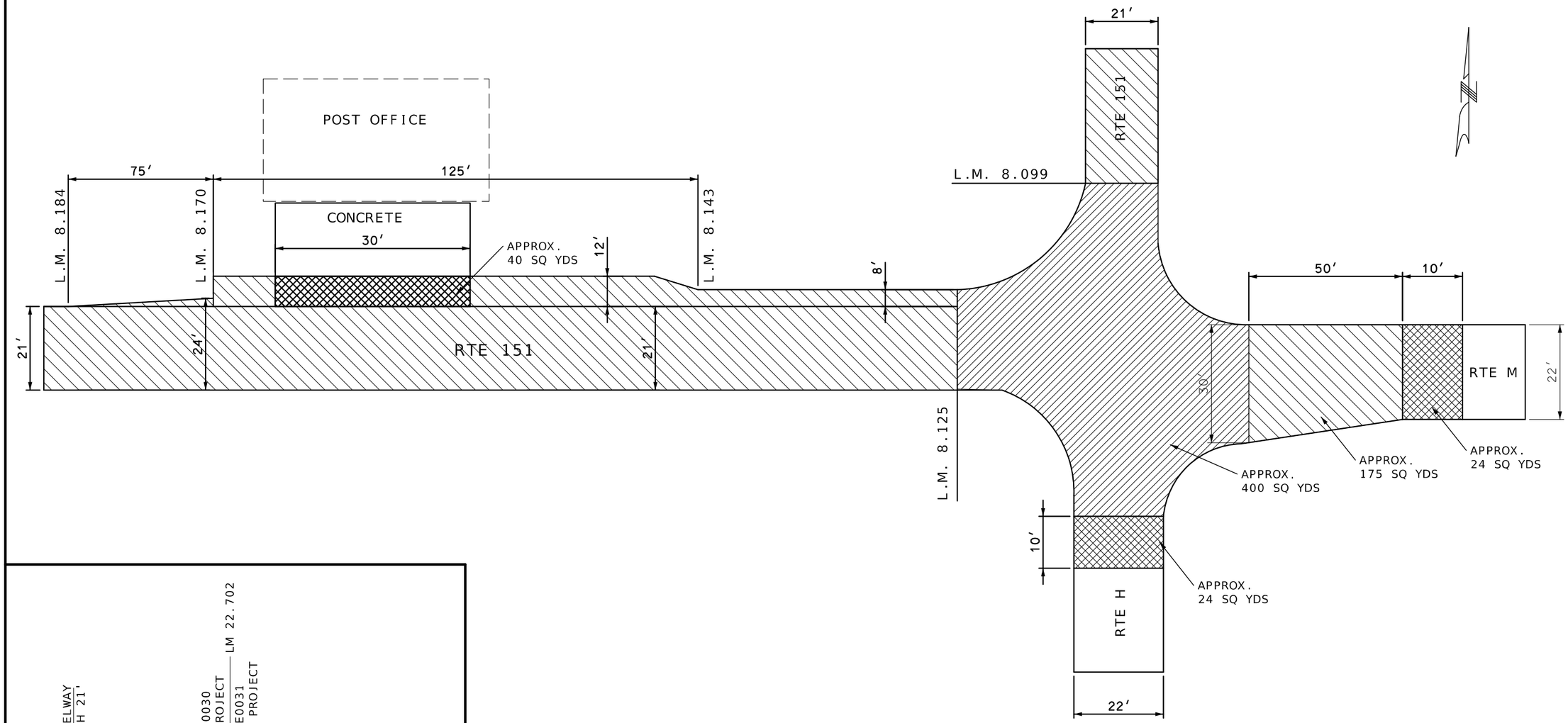
STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER
06/25/2024 1:59:53 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	
6/25/2024	
ROUTE 151	STATE MO
DISTRICT NE	SHEET NO. 4
COUNTY KNOX/SHELBY	
JOB NO. JNE0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

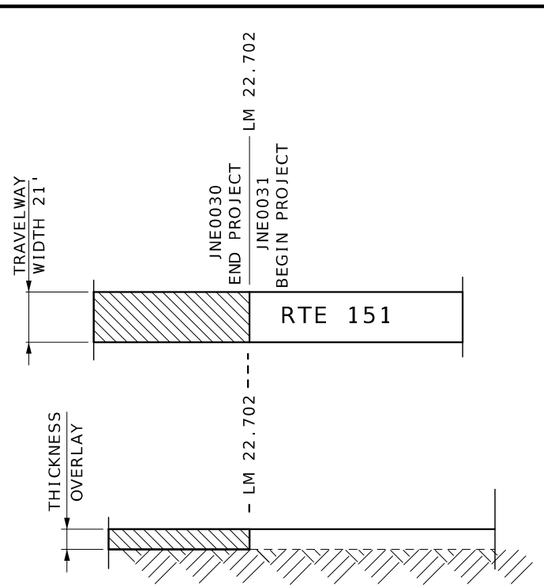
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 1 OF 4
NOT TO SCALE



RTE 151/H/M INTERSECTION
IN LEONARD



END OF PROJECT
(NO TRANSITION)

LEGEND

- GRAVEL OR CRUSHED STONE
- OVERLAY
- MODIFIED COLDMILLING

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER

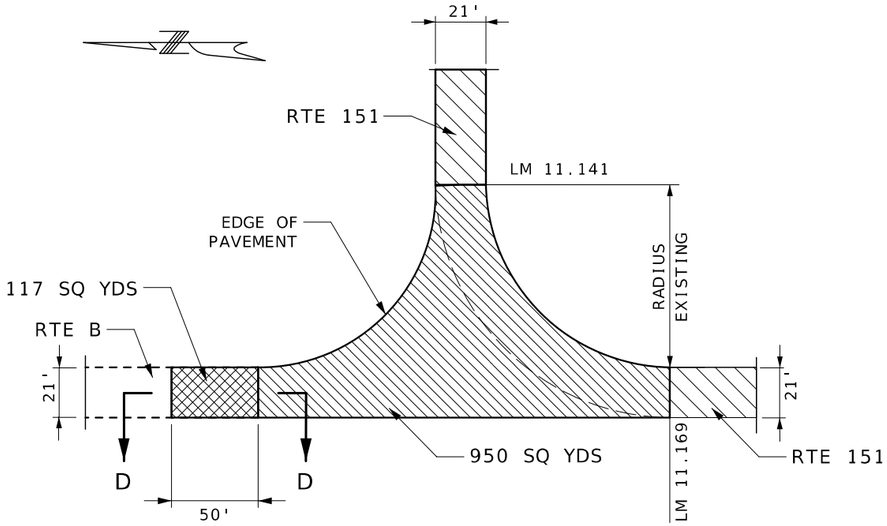
05/31/2024 1:01:11 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	
5/31/2024	
ROUTE 151	STATE MO
DISTRICT NE	SHEET NO. 5
COUNTY KNOX/SHELBY	
JOB NO. JNE0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

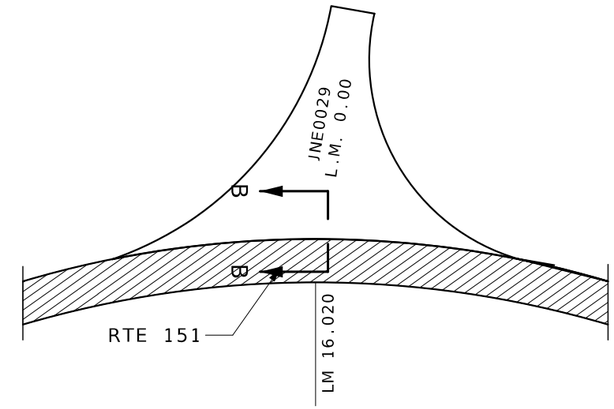
SPECIAL SHEET
SHEET 2 OF 4
NOT TO SCALE



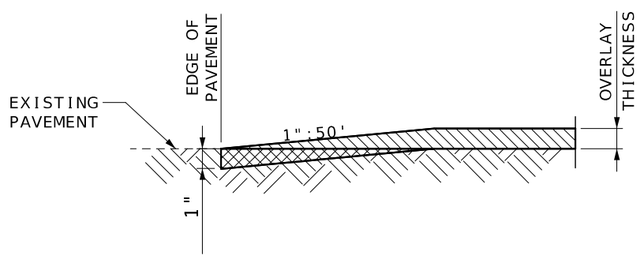
RTE B JUNCTION
1067 SQ YDS

LEGEND

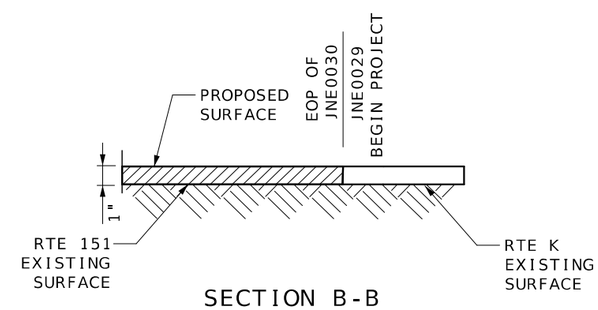
- OVERLAY
- MODIFIED COLDMILLING
- COLDMILL AND OVERLAY



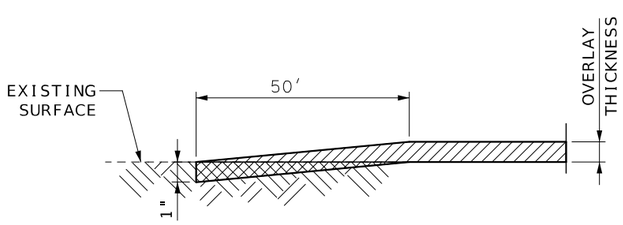
RTE K JUNCTION
LM 16.020



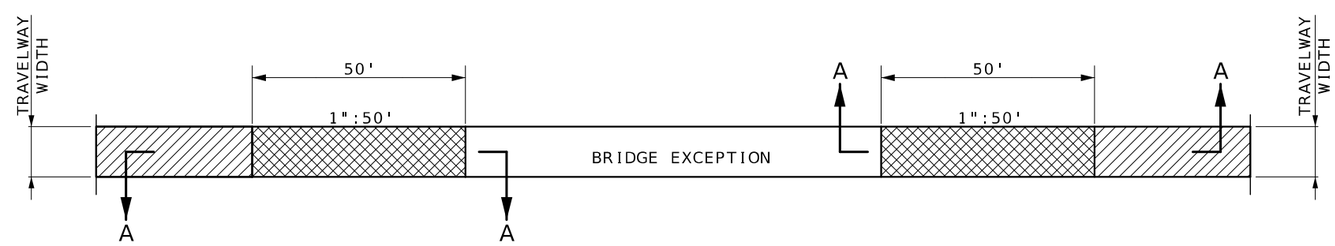
SECTION D-D
TRAVELWAY DEPTH TRANSITIONS



SECTION B-B
(NO TRANSITION)



SECTION A-A
TRAVELWAY DEPTH TRANSITIONS



TYPICAL BRIDGE EXCEPTION
BRIDGE A8367 LM 0.365
BRIDGE A8743 LM 8.023
BRIDGE A8613 LM 10.095
BRIDGE L0167 LM 16.466
BRIDGE A8597 LM 20.110

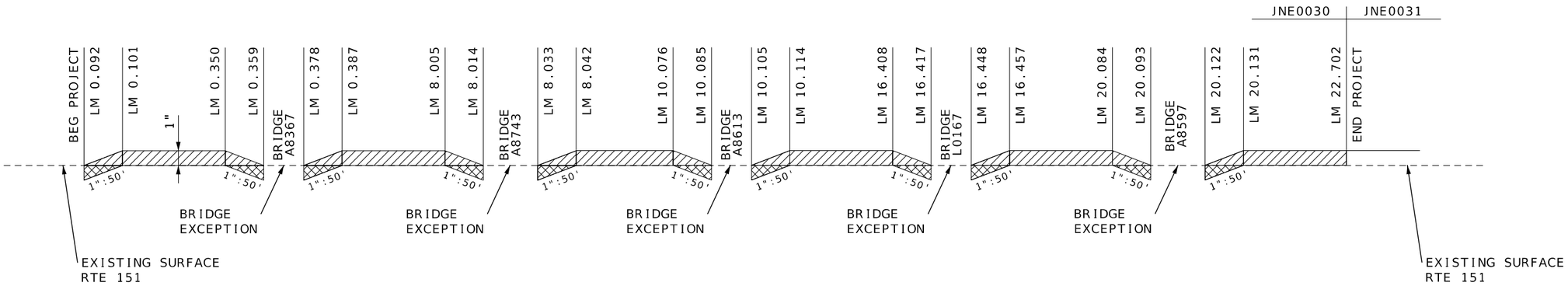
STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER
06/25/2024 2:30:30 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	
6/25/2024	
ROUTE 151	STATE MO
DISTRICT NE	SHEET NO. 6
COUNTY KNOX/SHELBY	
JOB NO. JNE0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 3 OF 4
NOT TO SCALE



LONGITUDINAL TRAVELWAY DEPTH TRANSITION

LEGEND

OVERLAY

MODIFIED COLDMILLING

COLDMILL AND OVERLAY

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER

06/25/2024 2:00:57 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	
6/25/2024	
ROUTE 151	STATE MO
DISTRICT NE	SHEET NO. 7
COUNTY KNOX/SHELBY	
JOB NO. JNE0030	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 4 OF 4
NOT TO SCALE

DESIGN DESIGNATION

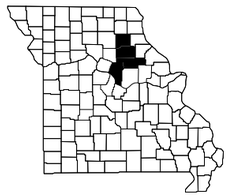
A.A.D.T - 2022
RTE 36 TO RTE 24 = 463
RTE 24 TO RTE 22 = 406
RTE 22 TO RTE 22 = 676
V = 55 M.P.H

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

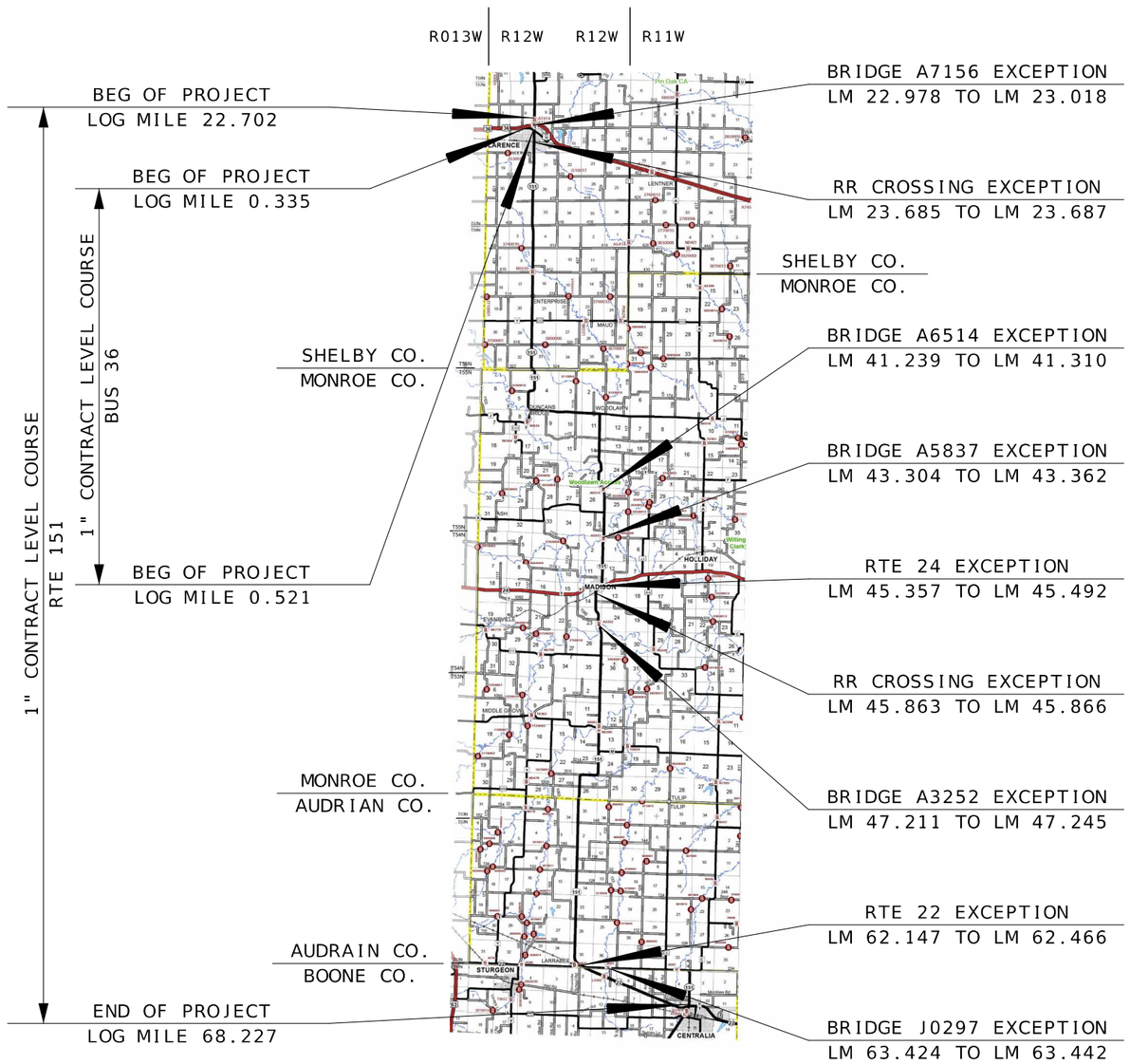
PLANS FOR PROPOSED STATE HIGHWAY

SHELBY/MONROE/AUDRAIN/BOONE COUNTIES

T57N-T51N, R12W-R11W



KEY MAP
SHOWING LOCATION OF COUNTY



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (2 SHEETS)	2
QUANTITIES (QU) (5 SHEETS)	3
SPECIAL SHEET (SS)	4-7

LENGTH OF PROJECT

RTE 151

BEGIN OF PROJECT	LOG MILE 22.702
END OF PROJECT	LOG MILE 68.227
APPARENT LENGTH	MILES 45.525

EQUATIONS AND EXCEPTIONS:

BRIDGE A7156	0.040 MILES
RR CROSSING EXCEPTION	0.002 MILES
BRIDGE A6514	0.071 MILES
BRIDGE A5837	0.058 MILES
RTE 24 EXCEPTION	0.135 MILES
RR CROSSING EXCEPTION	0.003 MILES
BRIDGE A3252	0.034 MILES
RTE 22 EXCEPTION	0.319 MILES
BRIDGE J0297	0.018 MILES

BUS 36

APPARENT LENGTH	0.186 MILES

TOTAL CORRECTIONS	0.680 MILES
NET LENGTH OF PROJECT	45.031 MILES
STATE LENGTH	45.031 MILES

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER
06/04/2024 12:28:36 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED
6/4/2024

ROUTE	STATE
151	MO
DISTRICT	SHEET NO.
NE	1

COUNTY
VARIOUS

JOB NO.
JNE0031

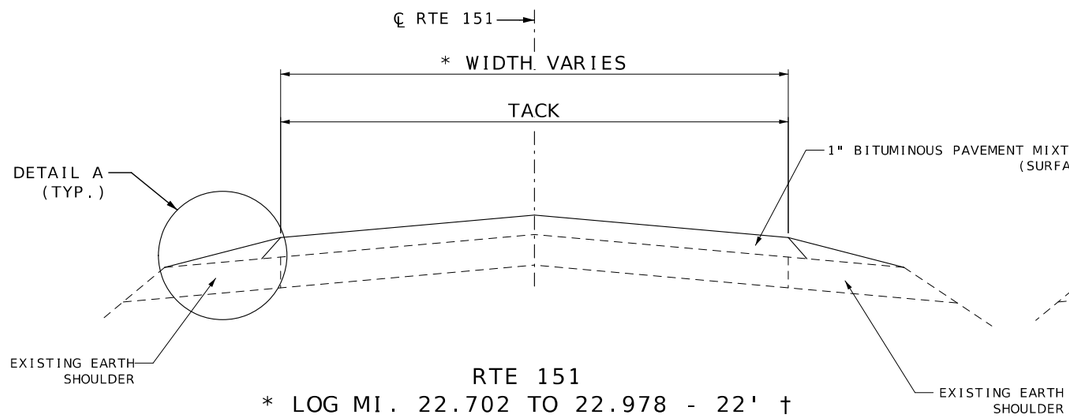
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

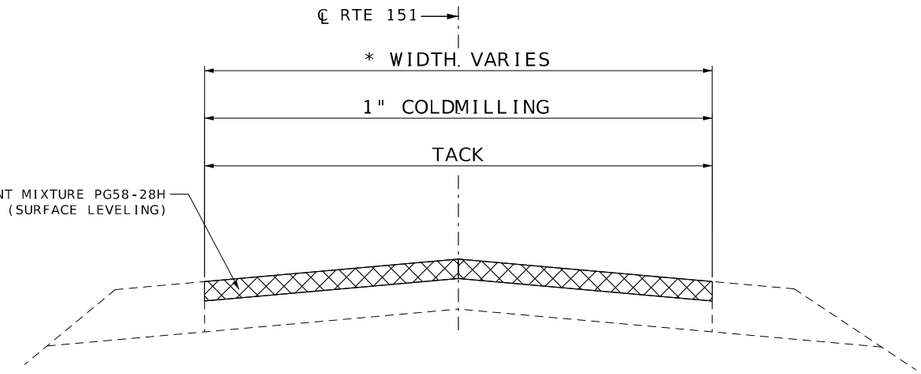
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



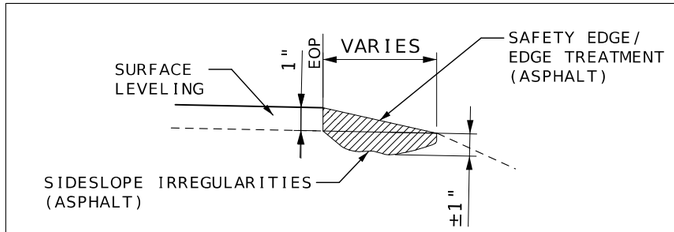
RTE 151
* LOG MI. 22.702 TO 22.978 - 22' †
* LOG MI. 23.018 TO 23.180 - 22' †
* LOG MI. 23.180 TO 23.262 - 24'
* LOG MI. 27.517 TO 29.100 - 21'
* LOG MI. 29.122 TO 35.068 - 21' †
* LOG MI. 35.099 TO 37.976 - 21' †
* LOG MI. 38.021 TO 41.099 - 21'
* LOG MI. 41.099 TO 41.219 - 24'
* LOG MI. 41.219 TO 41.239 - 24'- 32' †
* LOG MI. 41.310 TO 41.322 - 32'- 24'
* LOG MI. 41.322 TO 41.519 - 24'
* LOG MI. 41.519 TO 43.242 - 21'
* LOG MI. 43.242 TO 43.278 - 24' †
* LOG MI. 43.278 TO 43.304 - 24'- 30' †
* LOG MI. 43.362 TO 43.398 - 30' - 24'
* LOG MI. 43.398 TO 43.418 - 24'
* LOG MI. 43.418 TO 44.997 - 21'
* LOG MI. 45.976 TO 47.211 - 21' †
* LOG MI. 47.245 TO 51.631 - 21' †
* LOG MI. 51.669 TO 62.129 - 21' †
* LOG MI. 62.481 TO 63.424 - 21' †
* LOG MI. 63.442 TO 66.248 - 21'
* LOG MI. 66.265 TO 68.081 - 21'
* LOG MI. 68.081 TO 68.227 - 40'
BUS 36
* LOG MI. 0.404 TO 0.521 - 24'

† BR A7156 EXC. LOG MI 22.978 TO 23.018
† RR CROSS EXC. LOG MI 23.685 TO 23.687
† BR A6514 EXC. LOG MI 41.239 TO 41.310
† BR A5837 EXC. LOG MI 43.304 TO 43.362
† RTE 24 EXC. LOG MI 45.357 TO 45.492
† RR CROSS EXC. LOG MI 45.863 TO 45.866
† BR A3252 EXC. LOG MI 47.211 TO 47.245
† RTE 22 EXC. LOG MI 62.147 TO 62.466
† BR J0297 EXC. LOG MI 63.424 TO 63.442



RTE 151
* LOG MI. 23.262 TO 23.519 - 22'
* LOG MI. 23.519 TO 23.685 - 24' †
* LOG MI. 23.687 TO 23.740 - 24'
* LOG MI. 23.740 TO 24.068 - 22'
* LOG MI. 44.997 TO 45.357 - 20' †
* LOG MI. 45.492 TO 45.746 - 26'
* LOG MI. 45.746 TO 45.863 - 20' †
* LOG MI. 45.866 TO 45.976 - 21'
* LOG MI. 67.980 TO 68.085 - 21'
* LOG MI. 68.085 TO 68.227 - 39' (Avg.)
BUS 36
* LOG MI. 0.335 -0.404 - 24'

NOTE:
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.



NOTE:

THE ASPHALT SAFETY EDGE/EDGE TREATMENT (ASPHALT) AS WELL AS THE SIDESLOPE IRREGULARITIES (ASPHALT) SHALL BE LAID MONOLITHICALLY WITH THE SURFACE LEVELING AND ONE PASS.

DETAIL A

ESTIMATE FACTORS
PROVIDED FOR INFORMATION PURPOSES ONLY
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING) = 1.948 TON/CY
TACK COAT (EXISTING SURFACE) = 0.08 GAL/SY
TACK COAT (COLDMILLING SURFACE) = 0.10 GAL/SY
GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.

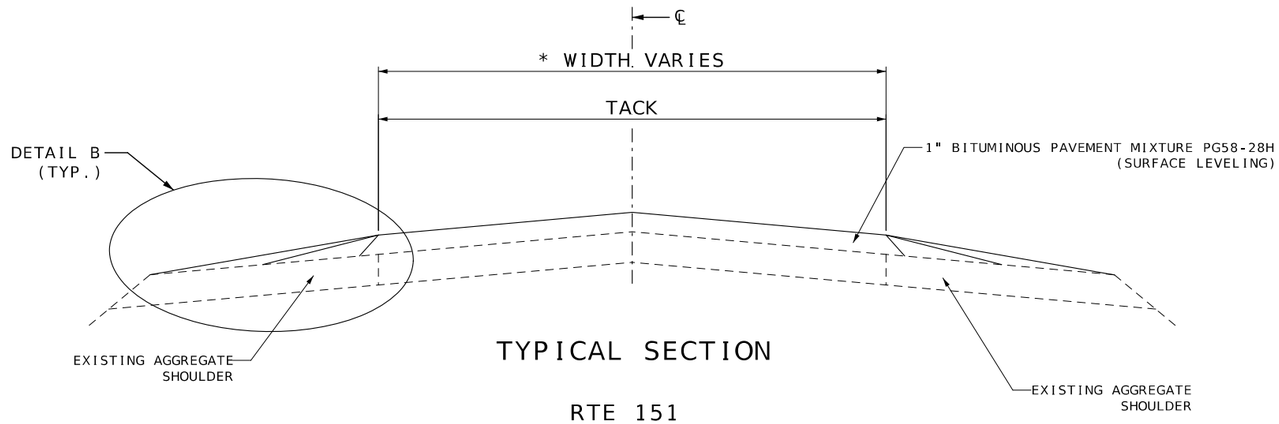
STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER
06/04/2024 12:27:10 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	
6/4/2024	
ROUTE 151	STATE MO
DISTRICT NE	SHEET NO. 2
COUNTY VARIOUS	
JOB NO. JNE0031	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

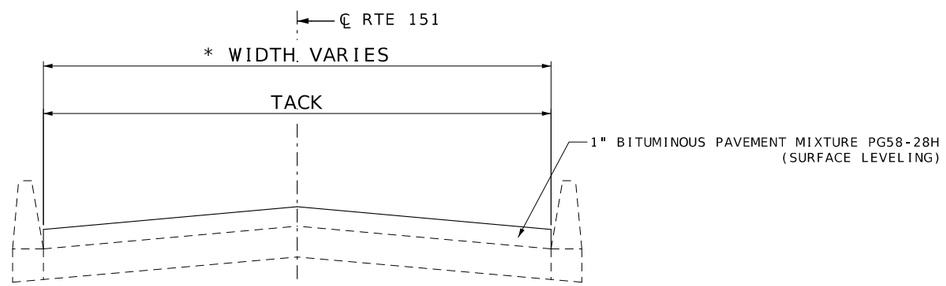
TYPICAL SECTION
SHEET 1 OF 2
NOT TO SCALE



TYPICAL SECTION

RTE 151
* LOG MI. 24.001 TO 24.068 - 22' (COLDMILLING AND OVERLAY)
* LOG MI. 24.068 TO 27.517 - 22' (OVERLAY)

BUS 36
* LOG MI. 0.438 TO 0.521

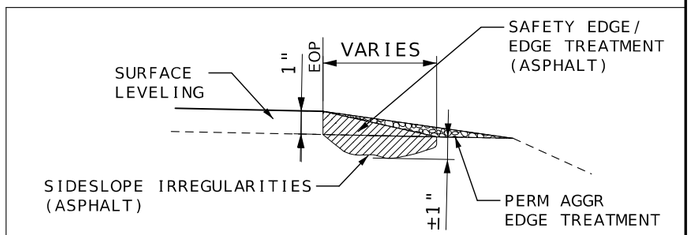


TYPICAL SECTION

* LOG MI. 29.100 TO 29.122 - 21' - BR B0220
* LOG MI. 21.103 TO 21.113 - 24' - BR B0200
* LOG MI. 27.032 TO 27.051 - 21' - BR J0287

NOTE:
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.

ESTIMATE FACTORS
PROVIDED FOR INFORMATION PURPOSES ONLY
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING) = 1.948 TON/CY
TACK COAT (EXISTING SURFACE) = 0.08 GAL/SY
TACK COAT (COLDMILLING SURFACE) = 0.10 GAL/SY
GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.



NOTE:

THE ASPHALT SAFETY EDGE/EDGE TREATMENT (ASPHALT) AS WELL AS THE SIDESLOPE IRREGULARITIES (ASPHALT) SHALL BE LAID MONOLITHICALLY WITH THE SURFACE LEVELING AND ONE PASS.

DETAIL B

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER
06/04/2024 12:27:37 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	
6/4/2024	
ROUTE 151	STATE MO
DISTRICT NE	SHEET NO. 2
COUNTY VARIOUS	
JOB NO. JNE0031	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION
SHEET 2 OF 2
NOT TO SCALE

1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	1" SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	TACK COAT 0.10 GAL/ SQ. YD. (GAL)	REMARKS
22.702	22.978	1457.28	1.00	22	3562	192.7	219.4	81.9	BEG OF PROJECT TO BRIDGE A7156 EXCEPTION
23.018	23.180	855.36	1.00	22	2091	113.1	157.5	12.2	
23.180	23.262	432.96	1.00	24	1155	62.5	92.4	-	
23.262	23.519	1356.96	1.00	22	3317	179.5	-	331.7	
23.519	23.685	876.48	1.00	24	2337	126.5	-	233.7	RR CROSSING
23.687	23.740	279.84	1.00	24	746	40.4	-	74.6	
23.740	27.517	19942.56	1.00	22	48748	2637.8	3561.2	423.3	
27.536	29.100	8257.92	1.00	21	19268	1042.6	1541.4	-	
29.100	29.122	116.16	1.00	21	271	14.7	21.7	-	BRIDGE B0220 (OVERLAY)
29.122	35.077	31442.40	1.00	21	73366	3969.9	5869.3	-	
35.077	35.099	116.16	1.00	VARIES	837	45.3	67.0	11.7	RTE J SB JUNCTION
35.099	37.976	15190.56	1.00	21	35445	1918.0	2835.6	-	
37.976	38.022	242.88	1.00	VARIES	1269	68.7	101.5	11.7	RTE J WB JUNCTION
38.022	41.099	16246.56	1.00	21	37909	2051.3	3032.7	-	
41.099	41.219	633.60	1.00	24	1690	91.4	135.2	-	
41.219	41.239	105.60	1.00	24-32	329	17.8	14.8	14.4	BRIDGE A6514
41.310	41.322	63.36	1.00	32-24	197	10.7	5.3	14.4	
41.322	41.372	264.00	1.00	24	704	38.1	56.3	-	
41.372	43.242	9873.60	1.00	21	23038	1246.6	1843.0	-	
43.242	43.278	190.08	1.00	24	507	27.4	40.6	-	
43.278	43.304	137.28	1.00	24-30	412	22.3	21.4	14.4	BRIDGE A5837
43.362	43.398	190.08	1.00	32-24	570	30.8	42.6	14.4	
43.398	43.417	100.32	1.00	24	268	14.5	21.4	-	
43.417	45.350	10206.24	1.00	21	23815	1288.7	1567.7	410.9	
45.350	45.357	36.96	1.00	VARIES	110	6.0	-	11.0	RTE 24 EXCEPTION
45.492	45.497	26.40	1.00	VARIES	80	4.3	-	8.0	
45.497	45.746	1314.72	1.00	26	3798	205.5	-	379.8	SOUTH OF COOPER ST
45.746	45.863	617.76	1.00	21	1441	78.0	-	144.1	RR CROSSING
45.866	47.211	7101.60	1.00	21	16570	896.6	1207.4	25.5	BRIDGE A3252
47.245	51.631	23158.08	1.00	21	54036	2923.9	4313.5	11.7	
51.631	51.669	200.64	1.00	24	535	28.9	42.8	-	BRIDGE B0200 (OVERLAY)
51.669	62.129	55228.80	1.00	21	128867	6973.1	10309.4	-	
62.129	62.147	95.04	1.00	VARIES	715	38.7	-	71.5	RTE 22 EXCEPTION
62.466	62.481	79.20	1.00	VARIES	223	12.1	-	22.3	
62.481	63.424	4979.04	1.00	21	11618	628.7	920.1	11.7	BRIDGE J0297
63.442	66.248	14815.68	1.00	21	34570	1870.6	2756.2	11.7	
66.248	66.265	89.76	1.00	21	209	11.3	16.7	-	BRIDGE J0287 (OVERLAY)
66.265	68.081	9588.48	1.00	21	22373	1210.6	1789.8	-	
68.081	68.227	770.88	1.00	40	3426	185.4	256.3	22.2	END PROJECT
0.335	0.498	860.64	1.00	24	2295	124.2	105.4	229.5	BUS 36 (LM ALONG BUS 36)
0.498	0.521	121.44	1.00	VARIES	782	42.3	62.6	97.8	BUS 36 (LM ALONG BUS 36)
22.702	68.227	240372.00	-	-	-	2890.4	-	-	SAFETY EDGE/EDGE TREATMENT - LEFT AND RIGHT
22.702	68.227	240372.00	-	-	-	6828.8	-	-	ADDTL. 150 TONS/MILE FOR SURFACE IRREGULARITIES
					SUBTOTAL	40,210.7	43,028.2	2,696.1	
					SUBTOTAL	398.1	605.0	-	PAVED ENTRANCES
					TOTAL	40,608.8	46,329		

PERMANENT AGGREGATE EDGE TREATMENT

LOG MILE	LOG MILE	LENGTH (FT)	WIDTH (FT)	AREA (SY)	WEDGE THICKNESS (IN)	TYPE 1 AGGR. 0.058 TONS/SY/IN (TONS)	REMARKS
0.438	0.502	337.92	2	75.1	3.00	13.1	LEFT (LM ALONG BUS 36)
0.335	0.470	712.80	2	158.4	3.00	27.6	RIGHT (LM ALONG BUS 36)
0.493	0.521	147.84	2	32.9	3.00	5.7	RIGHT (LM ALONG BUS 36)
24.001	27.497	18458.88	6	12305.9	3.00	2141.2	LEFT (RTE 151)
24.001	27.517	18564.48	6	12376.3	3.00	2153.5	RIGHT (RTE 151)
					TOTAL	4341.1	

622-99.05 MISC. REMOVAL OF DAMAGED PAVEMENT PER SQ. YD.	402-99.10 REPLACEMENT OF DAMAGED PAVEMENT PER TON
7000	2800

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER

06/17/2024 1:12:52 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED
6/14/2024

ROUTE	STATE
151	MO
DISTRICT	SHEET NO.
NE	3

COUNTY
VARIOUS

JOB NO.
JNE0031

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SUMMARY OF QUANTITES

SHEET 1 OF 5

MODIFIED COLDMILLING (DEPTH TRANSITIONS)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	MODIFIED COLDMILLING (SY)	REMARKS
22.915	22.924	50.00	1.00	22	122	COLDMILL BEFORE BRIDGE A7156
23.018	23.027	50.00	1.00	22	122	BRIDGE A7156
23.262	23.271	50.00	1.00	22	122	BEGIN COLDMILL THOUGH CLARENCE
24.059	24.068	50.00	1.00	22	122	END COLDMILL THROUGH CLARENCE
35.088	-	50.00	1.00	21	117	WEST ROUTE J INTERSECTION
37.995	-	50.00	1.00	21	117	EAST ROUTE J INTERSECTION
41.230	41.239	50.00	1.00	26	144	BRIDGE A6514 EXCEPTION
41.310	41.319	50.00	1.00	26	144	BRIDGE A6514 EXCEPTION
43.295	43.304	50.00	1.00	26	144	BRIDGE A5837 EXCEPTION
43.362	43.371	50.00	1.00	26	144	BRIDGE A5837 EXCEPTION
44.997	45.006	50.00	1.00	21	117	BEGIN MILL THROUGH MADISON
45.967	45.976	50.00	1.00	21	117	END MILL THROUGH MADISON
47.202	47.211	50.00	1.00	21	117	BRIDGE A3252 EXCEPTION
47.245	47.254	50.00	1.00	21	117	BRIDGE A3252 EXCEPTION
62.129	62.147	95.04	1.00	VARIES	715	RTE 22 EXCEPTION
62.466	62.481	79.20	1.00	VARIES	223	RTE 22 EXCEPTION
63.415	63.424	50.00	1.00	21	117	BRIDGE J0297 EXCEPTION
63.442	63.451	50.00	1.00	21	117	BRIDGE J0297 EXCEPTION
68.218	68.227	50.00	1.00	40	222	COLDMILLING END OF PROJECT
0.395	0.404	50.00	1.00	24	133	END COLDMILLING (LM ALONG BUS 36)
				SUBTOTAL	3,293	
				SUBTOTAL	1,456	PAVED ENTRANCES
				TOTAL	4,749	

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	COLDMILLING (SY)	REMARKS
22.924	22.978	285.12	1.00	22	697	BRIDGE A7156 EXCEPTION
23.271	23.519	1309.44	1.00	22	3201	WIDTH CHANGE
23.519	23.685	876.48	1.00	24	2337	RR EXCEPTION
23.687	23.740	279.84	1.00	24	746	WIDTH CHANGE
23.740	24.059	1684.32	1.00	22	4117	END COLDMILLING THROUGH CLARENCE
45.006	45.330	1710.72	1.00	21	3992	MADISON TO RTE 24
45.330	45.357	142.56	1.00	VARIES	110	RTE 24 EXCEPTION
45.492	45.497	26.40	1.00	VARIES	80	
45.497	45.746	1314.72	1.00	26	3798	RTE 24 TO SOUTH OF COOPER ST
45.746	45.863	617.76	1.00	20	1373	SOUTH OF COOPER ST TO RR CROSSING
45.866	45.967	533.28	1.00	21	1244	RR CROSSING TO SOUTH OF SOUTH ST
0.335	0.395	316.80	1.00	24	845	BUS 36 WESTBOUND
				TOTAL	21,843	

REINSTALLING EXISTING SIGNS

LOG MILE	LOCATION	BREAKAWAY ASSEMBLY AND FOOTING EACH	REMARKS
23.217	RTE 151	1	STOP SIGN
	TOTAL	1	

AGGREGATE ENTRANCES

LOG MILE	LOG MILE	NUMBER OF ENTRANCES	AVERAGE TONS PER ENTRANCE	GRAVEL A, CRUSHED STONE B 0.039 TON/SY/INCH TONS	REMARKS
0.119	24.130	180	2.0	360.0	PRIVATE AND FIELD ENTRANCES
0.119	24.130	85	4.0	340.0	COUNTY ROADS, CITY STREETS, COMMERCIAL ENTRANCES
			TOTAL	700.0	

ESTIMATE FACTORS

PROVIDED FOR INFORMATION PURPOSES ONLY

BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING) = 1.948 TON/CY

TACK COAT (EXISTING SURFACE) = 0.08 GAL/SY

TACK COAT (COLDMILLING SURFACE) = 0.10 GAL/SY

GRAVEL, CRUSH STONE AND CHAT = 1.40 TONS / CY OF LOOSE AGG.

LUMP SUM TEMPORARY TRAFFIC CONTROL

ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

TRAFFIC CONTROL DEVICES

QTY	DESCRIPTION
100	CHANNELIZERS (TRIM-LINE)

NOTE: FOR INFORMATIONAL PURPOSES ONLY.
SEE LUMP SUM PAY ITEM

MOBILIZATION

1 LUMP SUM

CONSTRUCTION SIGNS

SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 46 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	46	736.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	92	1472.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 6 TOTAL						
2	W020-1	48 X 48	16.00	6	96.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	6	96.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	6	96.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	6	9.00	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 5 TOTAL						
2	W020-1	48 X 48	16.00	5	80.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	5	80.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	5	80.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	5	43.75	PILOT CAR IN USE WAIT & FOLLOW
CONSTRUCTION SIGNS TOTAL					3095.01	

REFER TO STD. PLANS 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS
REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS
MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER
06/20/2024 2:03:12 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED: 6/20/2024
ROUTE: 151 | STATE: MO
DISTRICT: NE | SHEET NO.: 3
COUNTY: VARIOUS
JOB NO.: JNE0031
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SUMMARY OF QUANTITES
SHEET 2 OF 5

STATE/COUNTY ROUTE JUNCTIONS AND PAVED ENTRANCES

LOG MILE	LOCATION	AREA (SY)	1" SURFACE LEVELING 1.948 TONS/CY (TONS)	TACK COAT 0.08 GAL/ SQ. YD. (GAL)	MODIFIED COLDMILLING (SY)	REMARKS
22.862	RT.	130	7.0	11	130	
22.862	LT.	47	2.5	4	47	
23.236	LT.	280	15.2	23	280	BUS 36 E INTERSECTION
25.160	RT.	278	15.0	23	67	CO RD 400
25.160	LT.	312	16.9	25	67	CO RD 420
27.177	RT.	278	15.0	23	67	CO RD 406
27.177	LT.	409	22.1	33	67	CO RD 416
31.144	RT.	367	19.9	30	24	RTE. Y
31.144	LT.	333	18.0	27	24	RTE. DD
37.437	LT.	27	1.5	3	27	P.E.
42.219	RT.	497	26.9	40	24	RTE. K
43.258	LT.	507	27.4	41	67	CO RD 120
48.564	RT.	844	45.7	68	24	RTE. YY
51.543	RT.	891	48.2	72	24	RTE. M
52.542	LT.	599	32.4	48	24	RTE. M
62.740	RT.	24	1.3	2	24	P.E.
62.800	RT.	18	1.0	2	18	P.E.
62.830	LT.	17	0.9	2	17	P.E.
62.847	LT.	14	0.8	2	14	P.E.
62.863	LT.	12	0.6	1	12	P.E.
62.863	RT.	19	1.0	2	19	P.E. (CONCRETE)
62.895	RT.	17	0.9	2	17	P.E.
62.896	LT.	17	0.9	2	17	P.E.
62.910	LT.	44	2.4	4	44	P.E.
62.922	RT.	17	0.9	2	17	P.E.
62.945	RT.	18	1.0	2	18	P.E.
62.967	RT.	23	1.2	2	23	P.E.
63.003	RT.	18	1.0	2	18	P.E. (CONCRETE)
63.050	LT.	42	2.3	4	42	P.E.
65.726	LT.	20	1.1	2	20	P.E.
65.807	LT.	697	37.7	56	24	RTE. EE
66.638	LT.	43	2.3	4	67	CO RD 9111 (CONCRETE)
66.699	LT.	130	7.0	11	24	RTE. C
66.739	LT.	146	7.9	12	34	RTE. C (SPUR)
68.067	LT.	225	12.2	18	24	
		SUBTOTAL	398.1	605.0	1456.0	

DURABLE INTERSECTION MARKING

PREFORMED THERMOPLASTIC PAVEMENT MARKING

LOG MILE	24" WHITE STOP BAR L.F.	RAILROAD CROSSING MARKER EACH	6" WHITE CROSSWALK L.F.	REMARKS
23.219	60			RTE 136 JUNCTION = 15'x4
23.612			70	CROSS WALK LENGTH = 35'
23.621		1		
23.680	11			
23.692	11			
23.756		1		
35.093	11			
38.019	11			
45.355				
45.723	11			
45.801		1		
45.861	11			
45.867	11			
45.952		1		
62.134	11			
62.471	11			
TOTAL	159	4	70	

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER

06/17/2024 1:15:55 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED
6/14/2024

ROUTE	STATE
151	MO

DISTRICT	SHEET NO.
NE	3

COUNTY
VARIOUS

JOB NO.
JNE0031

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SUMMARY OF QUANTITES

SHEET 3 OF 5

PAVEMENT MARKINGS

LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS				REMARKS
			4" YELLOW INTERMITTENT CENTERLINE L.F.	4" YELLOW SOLID/ INTERMITTENT CENTERLINE L.F.	4" SOLID DOUBLE YELLOW CENTERLINE L.F.	4" SOLID WHITE EDGELINE L.F.	
22.703	22.921	RTE 151		1,439			
22.921	23.020	RTE 151			1,045		
23.020	23.162	RTE 151		937			
23.162	23.219	RTE 151			602		
23.242	23.401	RTE 151			1,679		
23.401	23.521	RTE 151		792			
23.521	23.821	RTE 151			3,168		
23.821	23.981	RTE 151		1,056			
23.981	26.978	RTE 151	3,960				
26.978	27.357	RTE 151		2,501			
27.357	27.617	RTE 151	350				
27.617	27.737	RTE 151		792			
27.737	27.837	RTE 151	140				
27.837	27.957	RTE 151		792			
27.957	28.436	RTE 151	640				
28.436	28.736	RTE 151		1,980			
28.736	29.535	RTE 151	1,060				
29.535	30.435	RTE 151		5,940			
30.435	30.635	RTE 151	270				
30.635	30.914	RTE 151		1,841			
30.914	32.239	RTE 151	1,750				
32.239	32.339	RTE 151		660			
32.339	32.439	RTE 151	140				
32.439	32.559	RTE 151		792			
32.559	32.899	RTE 151	450				
32.899	33.060	RTE 151		1,063			
33.060	33.298	RTE 151			2,513		
33.298	33.539	RTE 151		1,591			
33.539	35.539	RTE 151			21,120		
35.539	35.919	RTE 151		2,508			
35.919	36.538	RTE 151			6,537		
36.538	36.738	RTE 151		1,320			
36.738	37.318	RTE 151	770				
37.318	37.398	RTE 151		528			
37.398	37.498	RTE 151	140				
37.498	37.878	RTE 151		2,508			
37.878	37.958	RTE 151			845		
37.958	37.997	RTE 151		257			
38.021	38.081	RTE 151			634		
38.081	38.260	RTE 151	240				
38.260	38.420	RTE 151		1,056			
38.420	38.560	RTE 151			1,478		
38.560	38.660	RTE 151		660			
38.660	40.541	RTE 151			19,863		
40.541	40.880	RTE 151		2,237			
40.880	41.219	RTE 151			3,580		
41.219	41.500	RTE 151		1,855			
41.500	43.097	RTE 151			16,864		
43.097	43.457	RTE 151		2,376			
43.457	43.517	RTE 151			634		
43.517	43.597	RTE 151		528			
43.597	43.677	RTE 151			845		
43.677	43.776	RTE 151		653			
43.776	44.256	RTE 151			5,069		
44.256	44.436	RTE 151		1,188			
44.436	44.696	RTE 151	350				
44.696	44.856	RTE 151		1,056			
44.856	44.916	RTE 151			634		
44.916	45.096	RTE 151		1,188			
45.096	45.256	RTE 151	220				
45.256	45.357	RTE 151			1,067		
45.493	45.907	RTE 151			4,372		
45.907	46.046	RTE 151		917			
46.046	46.186	RTE 151	190				
46.186	46.606	RTE 151		2,772			
46.606	47.126	RTE 151			5,491		
47.126	47.305	RTE 151		1,181			
47.305	47.445	RTE 151	190				
47.445	47.665	RTE 151		1,452			
47.665	47.865	RTE 151			2,112		
SUBTOTAL PAGE 1			10,860	48,416	100,152	0	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER
06/17/2024 1:16:22 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED: 6/14/2024

ROUTE	STATE
151	MO

DISTRICT	SHEET NO.
NE	3

COUNTY: VARIOUS

JOB NO.: JNE0031

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SUMMARY OF QUANTITES

SHEET 4 OF 5

PAVEMENT MARKINGS

LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS				REMARKS
			4" YELLOW INTERMITTENT CENTERLINE L.F.	4" YELLOW SOLID/ INTERMITTENT CENTERLINE L.F.	4" SOLID DOUBLE YELLOW CENTERLINE L.F.	4" SOLID WHITE EDGELINE L.F.	
47.865	48.205	RTE 151		2,244			
48.205	49.624	RTE 151			14,985		
49.624	49.823	RTE 151		1,313			
49.823	50.063	RTE 151	320				
50.063	50.242	RTE 151		1,181			
50.242	50.402	RTE 151			1,690		
50.402	51.323	RTE 151		6,079			
51.323	51.543	RTE 151	300				
51.543	51.623	RTE 151			845		
51.623	51.722	RTE 151	140				
51.722	51.922	RTE 151			2,112		
51.922	52.822	RTE 151		5,940			
52.822	52.862	RTE 151	60				
52.862	53.022	RTE 151		1,056			
53.022	53.262	RTE 151	320				
53.262	53.422	RTE 151		1,056			
53.422	53.586	RTE 151			1,732		
53.586	53.727	RTE 151		931			
53.727	53.987	RTE 151	350				
53.987	54.127	RTE 151		924			
54.127	54.303	RTE 151			1,859		
54.303	54.442	RTE 151		917			
54.442	54.882	RTE 151	590				
54.882	54.982	RTE 151		660			
54.982	55.202	RTE 151			2,323		
55.202	55.322	RTE 151		792			
55.322	61.642	RTE 151	8,350				
61.642	61.881	RTE 151		1,577			
61.881	62.040	RTE 151			1,679		
62.040	62.140	RTE 151		660			
62.481	62.520	RTE 151			412		
62.520	62.700	RTE 151		1,188			
62.700	62.759	RTE 151	80				
62.759	63.079	RTE 151		2,112			
63.079	65.556	RTE 151	3,270				
65.556	65.838	RTE 151		1,861			
65.838	66.358	RTE 151	690				
66.358	66.518	RTE 151		1,056			
66.518	66.859	RTE 151			3,601		
66.859	67.019	RTE 151		1,056			
67.019	68.199	RTE 151	1,560				
68.199	68.231	RTE 151			338		
22.703	68.231	RTE 151				475,739	
22.703	68.231	RTE 151				-32654	EDGELINE EXCEPTIONS
0.335	0.516	BUS 36			1,911		
		SUBTOTAL	16,030	32,603	33,487	443,085	
		SUBTOTAL PAGE 1	10,860	48,416	100,152	0	
		TOTAL		241,548		443,085	

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER

06/04/2024 12:30:20 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED
6/4/2024

ROUTE	STATE
151	MO
DISTRICT	SHEET NO.
NE	3

COUNTY
VARIOUS

JOB NO.
JNE0031

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

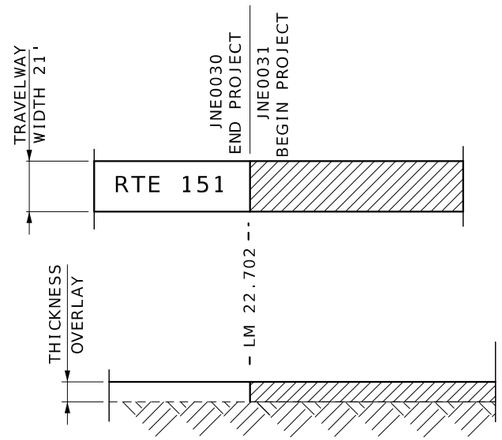
DESCRIPTION

DATE

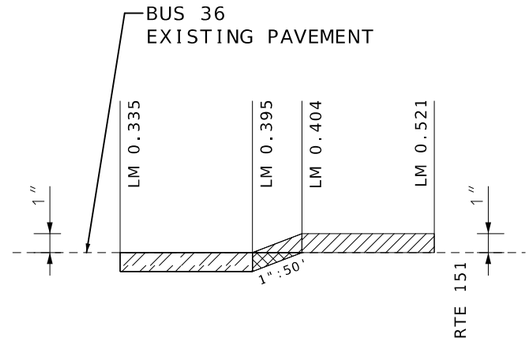
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

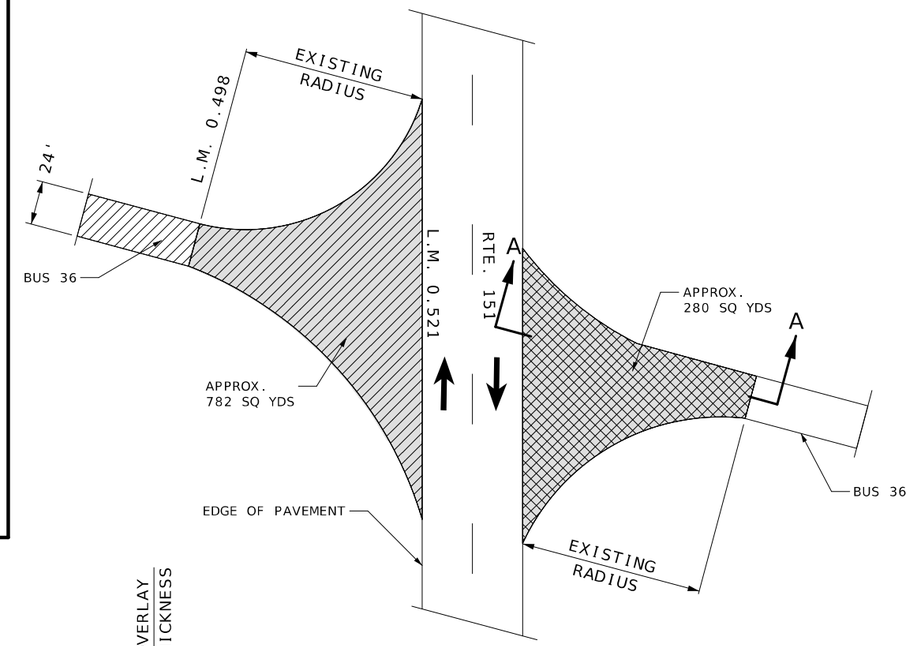
SUMMARY OF QUANTITES
SHEET 5 OF 5



BEG OF PROJECT
(NO TRANSITION)



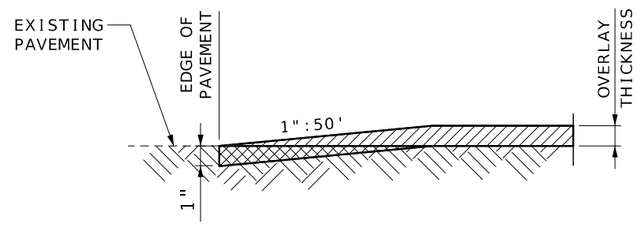
BUS. 36 LONGITUDINAL
TRAVELWAY DEPTH TRANSITION



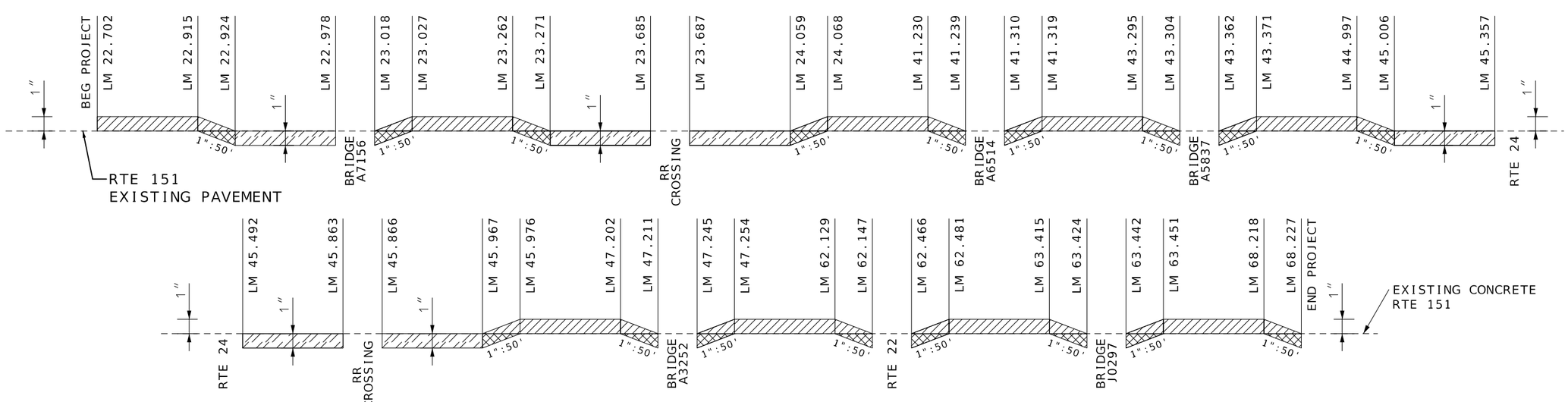
BUS 36 INTERSECTION
L.M. 23.236

LEGEND

- GRAVEL OR CRUSHED STONE
- OVERLAY
- MODIFIED COLDMILLING
- COLDMILL AND OVERLAY



SECTION A-A
TRAVELWAY DEPTH TRANSITIONS



RTE 151 LONGITUDINAL TRAVELWAY DEPTH TRANSITION

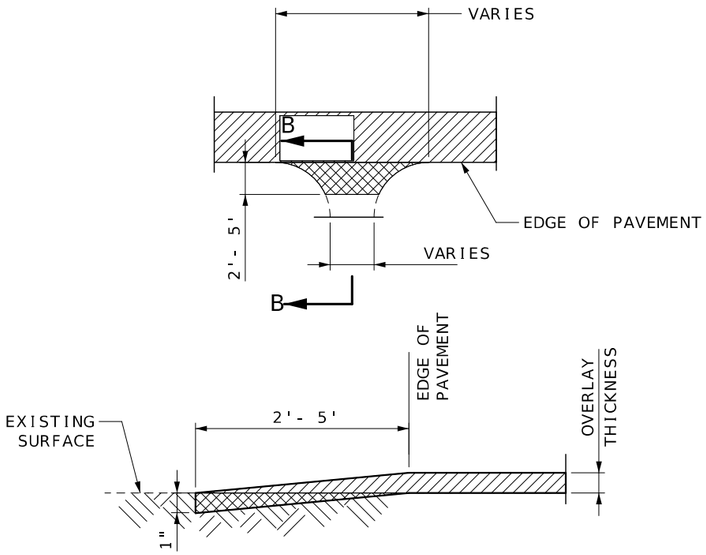
STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER
06/04/2024 12:30:50 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	
6/4/2024	
ROUTE 151	STATE MO
DISTRICT NE	SHEET NO. 4
COUNTY VARIOUS	
JOB NO. JNE0031	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

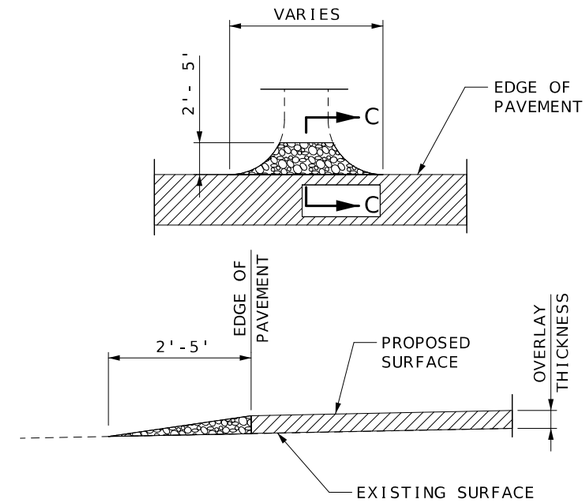
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 1 OF 4
NOT TO SCALE



SECTION B-B
TYPICAL ASPHALT/CONCRETE ENTRANCE OR SIDE ROAD
(STATE ROUTES, COUNTY ROADS, CITY STREETS AND
PRIVATE OR COMMERCIAL ENTRANCES)



SECTION C-C
TYPICAL AGGREGATE ENTRANCE
(FIELD, PRIVATE, COMMERCIAL ENTRANCES,
COUNTY ROADS AND CITY STREETS)

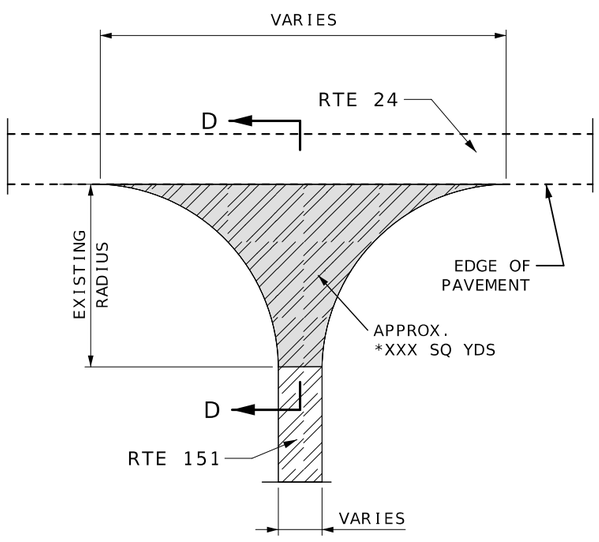
LEGEND

GRAVEL OR CRUSHED STONE

OVERLAY

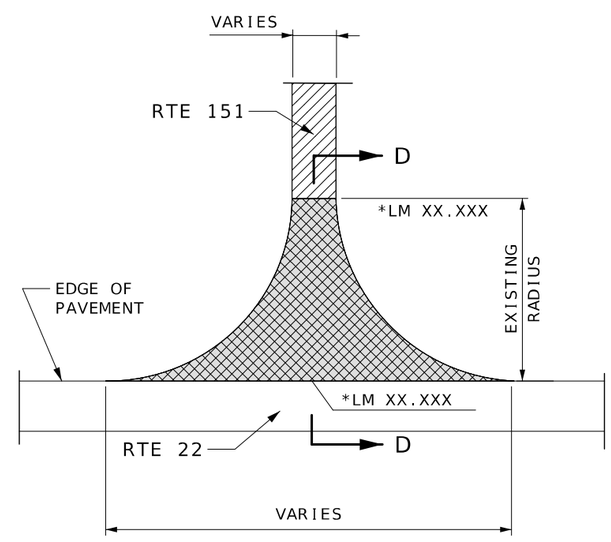
MODIFIED COLDMILLING

COLDMILL AND OVERLAY



* RTE 24 N JUNCTION
LM 45.350 TO 45.357 / 110 SQ YDS

* RTE 24 S JUNCTION
LM 45.492 TO 45.497 / 80 SQ YDS



* RTE 22 N JUNCTION
LM 62.129 TO 62.147 / 715 SQ YDS

* RTE 22 S JUNCTION
LM 62.466 TO 62.481 / 223 SQ YDS

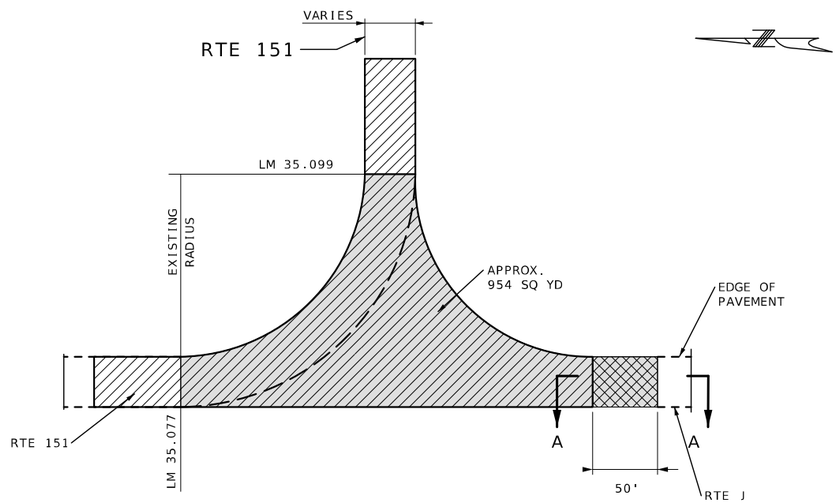
STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER
06/04/2024 12:31:17 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	6/4/2024
ROUTE	151
STATE	MO
DISTRICT	NE
SHEET NO.	5
COUNTY	VARIOUS
JOB NO.	JNE0031
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

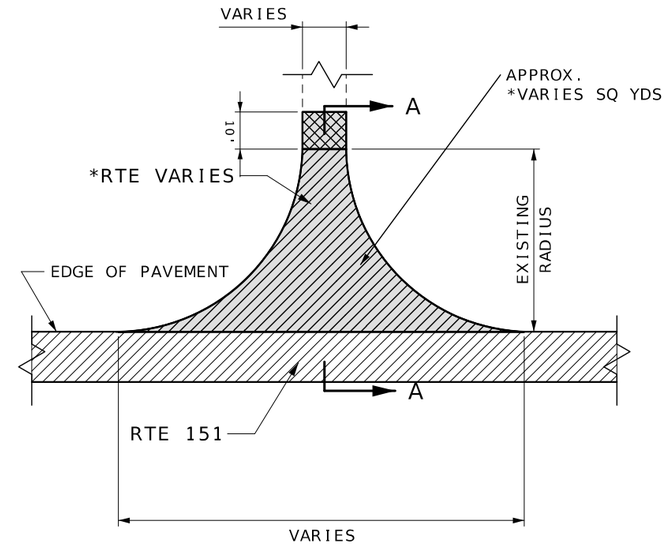
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 2 OF 4
NOT TO SCALE



RTE J JUNCTION (WEST)



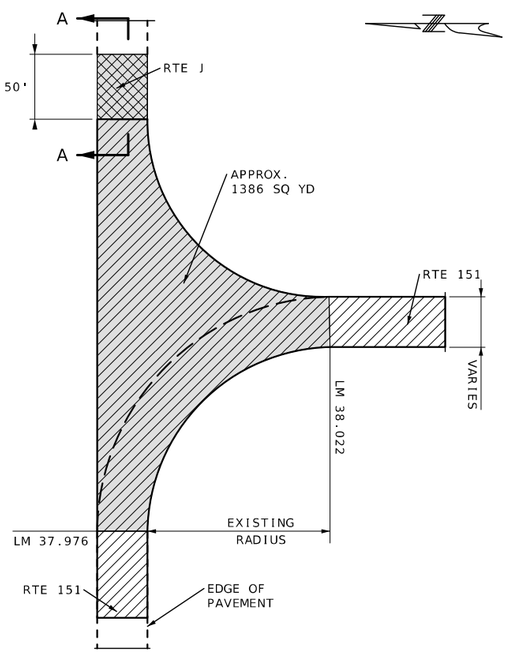
STATE ROUTE INTERSECTIONS

*RTE Y	/ LM 31.144	/ 363 SQ YDS
*RTE DD	/ LM 31.144	/ 333 SQ YDS
*RTE K	/ LM 42.219	/ 497 SQ YDS
*RTE YY	/ LM 48.562	/ 844 SQ YDS
*RTE M (EAST)	/ LM 51.543	/ 891 SQ YDS
*RTE M (WEST)	/ LM 52.542	/ 599 SQ YDS
*RTE EE	/ LM 65.807	/ 697 SQ YDS
*RTE C	/ LM 52.542	/ 130 SQ YDS
*RTE C (SPUR)	/ LM 52.542	/ 146 SQ YDS

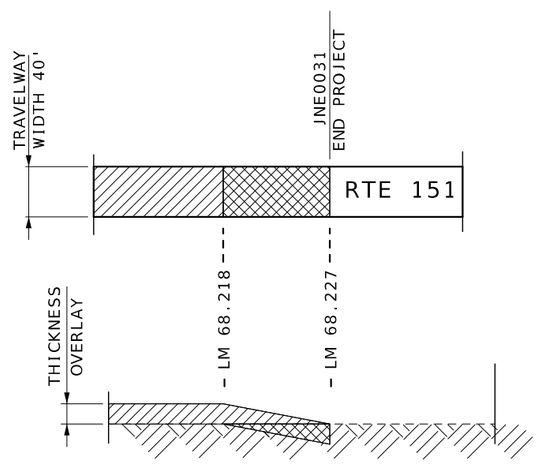
LEGEND

OVERLAY

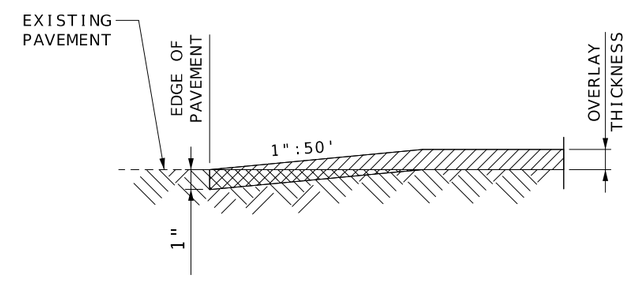
MODIFIED COLDMILLING



RTE J JUNCTION (EAST)



END OF PROJECT



SECTION A-A
TRAVELWAY DEPTH TRANSITIONS

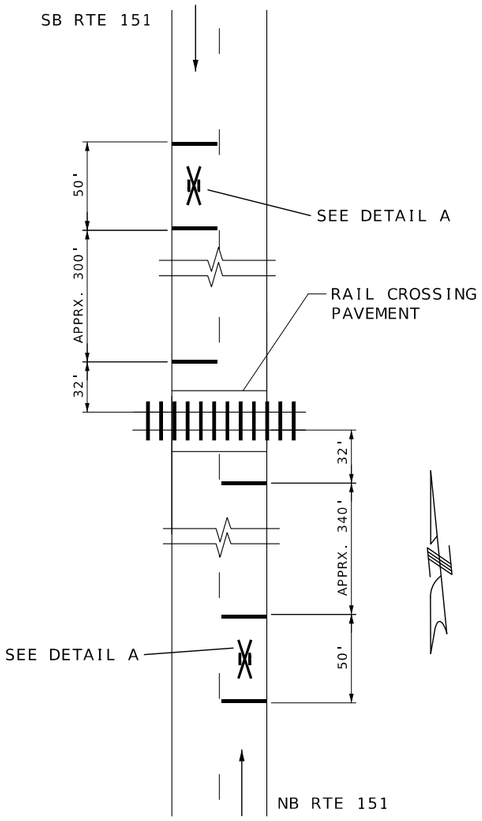
STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER
06/04/2024 12:31:47 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	6/4/2024
ROUTE	151
STATE	MO
DISTRICT	NE
SHEET NO.	6
COUNTY	VARIOUS
JOB NO.	JNE0031
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

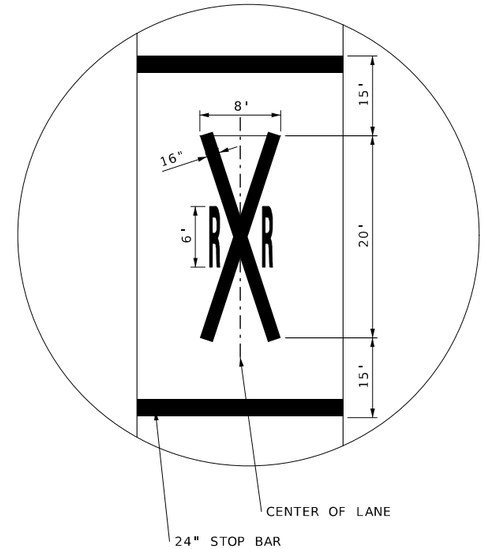
SPECIAL SHEET
SHEET 3 OF 4
NOT TO SCALE



R.R. CROSSING EXCEPTION
LOG MILE 23.686

LEGEND

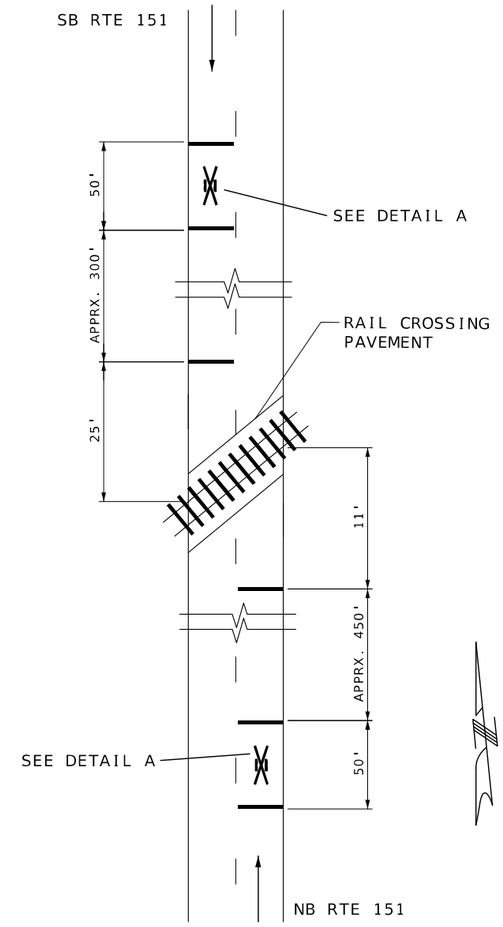
- OVERLAY
- MODIFIED COLDMILLING
- COLDMILL AND OVERLAY



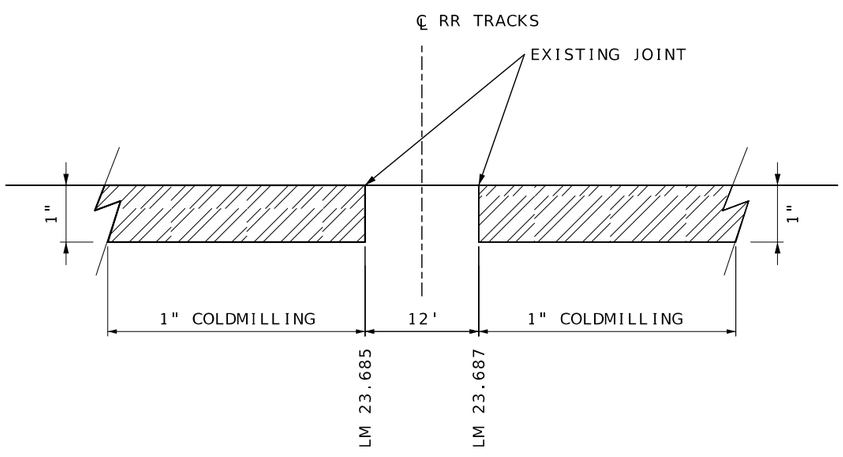
DETAIL A

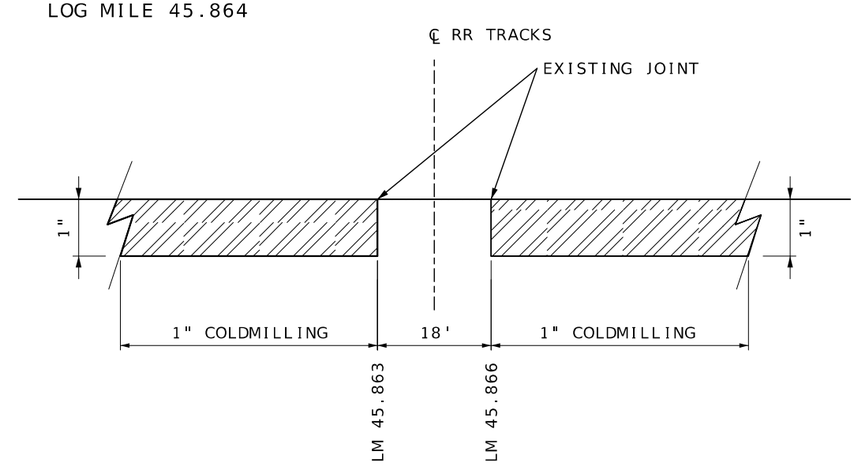
NOTE:
LOG MILES AND DISTANCES ARE APPROXIMATE.
SEE JOB SPECIAL PROVISIONS FOR RAILROAD REQUIREMENTS.

ACTUAL LIMITS OF RESURFACING MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY RAILROAD FIELD REPRESENTATIVE.



R.R. CROSSING EXCEPTION
LOG MILE 45.864





STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER
05/04/2024 12:32:22 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	
6/4/2024	
ROUTE 151	STATE MO
DISTRICT NE	SHEET NO. 7
COUNTY VARIOUS	
JOB NO. JNE0031	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 4 OF 4
NOT TO SCALE

DESIGN DESIGNATION
A.A.D.T. - 2023 = 275
V = 25 M.P.H.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY

SHELBY COUNTY

T57N R10W S31-33

KEY MAP
LOCATION OF SHELBY COUNTY

1" MILL AND FILL WITH SURFACE LEVELING 58H-28H
1.727 MILES

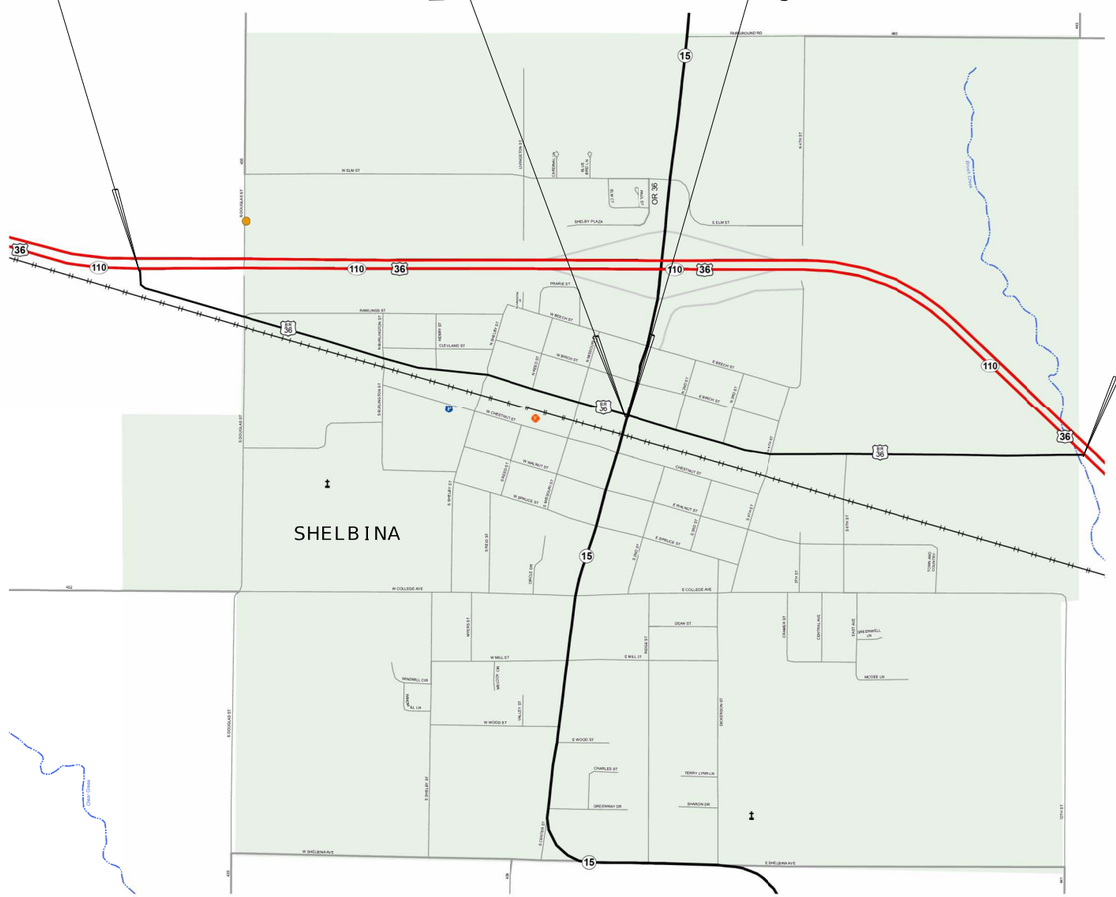
L.M. 0.010
BEGIN PROJECT

L.M. 1.737
END PROJECT

EXCEPTION
0.008 MILES

L.M. 0.927

L.M. 0.935



INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (1 SHEET)	3
SPECIAL SHEET (SS) (1 SHEET)	4
TRAFFIC CONTROL SHEETS (TC) (1 SHEET)	5

LENGTH OF PROJECT

BEGINNING OF PROJECT	0.010	MILES
END OF PROJECT	1.737	MILES
APPARENT LENGTH	1.727	MILES
EQUATIONS AND EXCEPTIONS:		
RTE 15 EXCEPTION	0.008	MILES
TOTAL CORRECTIONS	0.008	MILES
NET LENGTH OF PROJECT	1.719	MILES
STATE LENGTH	1.719	MILES

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER
05/31/2024 1:04:30 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED
5/31/2024

ROUTE	STATE
BUS 36	MO

DISTRICT	SHEET NO.
NE	1

COUNTY
SHELBY

JOB NO.
JNE0197

CONTRACT ID.

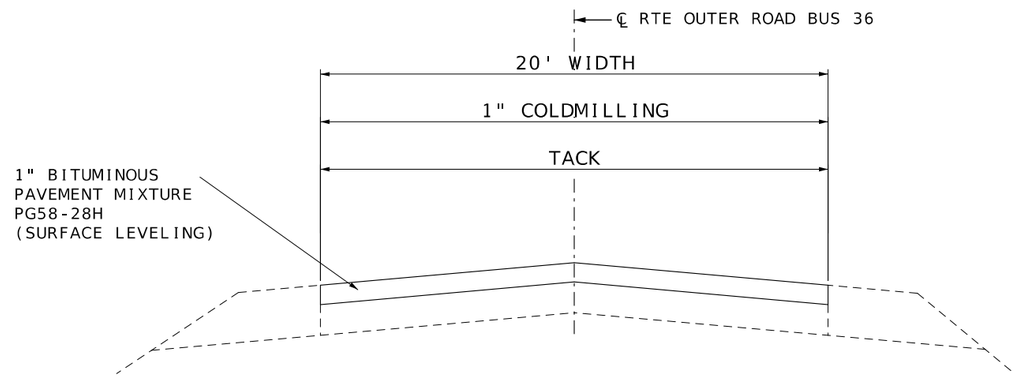
PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

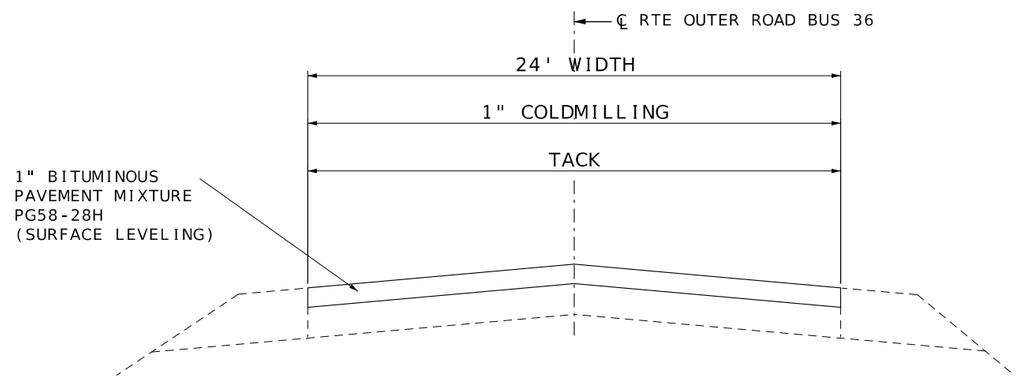
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TITLESHEET



TYPICAL SECTION

LOG MI. 0.010 TO 0.674
LOG MI. 1.239 TO 1.737



TYPICAL SECTION

LOG MI. 0.674 TO 1.239

EXCEPTION
LOG MI. 0.927 TO 0.935

NOTE:
SURFACE PLACEMENT SHALL BE ONE PASS PER LANE
NO S.E. CORRECTION.

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER
05/31/2024 1:05:14 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	5/31/2024
ROUTE	BUS 36
STATE	MO
DISTRICT	NE
SHEET NO.	2
COUNTY	SHELBY
JOB NO.	JNE0197
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TYPICAL SECTION SHEET
SHEET 1 OF 1
NOT TO SCALE

1" BITUMINOUS PAVEMENT MIXTURE PG58-28H (SURFACE LEVELING)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	AREA (SQ YD)	1" SURFACE LEVELING @ 1.948 TONS/CY (TONS)	TACK COAT 0.10 GAL/ SQ. YD. (GAL)	REMARKS
0.010	0.674	3505.92	1.00	20	7791	421.6	779.1	BEGIN TO SHELBY ST
0.674	0.927	1335.84	1.00	24	3562	192.7	356.2	SHELBY ST TO RTE 15
0.927	0.935	-	-	-	-	-	-	RTE 15 EXCEPTION
0.935	1.239	1605.12	1.00	24	4280	231.6	428.0	RTE 15 TO PAST 4TH STREET
1.239	1.737	2629.44	1.00	20	5843	316.2	584.3	PAST 4TH STREET TO END
0.010	1.737	9076.32	-	-	-	86.0	-	ADDTL. 50 TONS/MILE FOR SURFACE IRREGULARITIES
					SUBTOTAL	1,248.1	2,147.6	
					TOTAL	1,248.1	2,148	

MOBILIZATION
1 LUMP SUM

COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OF SURFACING (3 IN. THICK OR LESS)

LOG MILE	LOG MILE	LENGTH (FT)	THICKNESS (IN)	WIDTH (FT)	COLDMILLING (SY)	REMARKS
0.010	0.674	3505.92	1.00	20	7790.93	BEGIN TO SHELBY ST
0.674	0.927	1335.84	1.00	24	3562.24	SHELBY ST TO RTE 15
0.935	1.239	1605.12	1.00	24	4280.32	RTE 15 TO JUST PAST 4TH STREET
1.239	1.737	2629.44	1.00	20	5843.20	JUST PAST 4TH STREET TO END
				TOTAL	21,477	

ESTIMATE FACTORS
PROVIDED FOR INFORMATION PURPOSES ONLY
BITUMINOUS PAVEMENT MIXTURE PG 58-28H (SURFACE LEVELING) = 1.948 TON/CY
TACK COAT (COLDMILLED SURFACE) = 0.10 GALLON / SY

CONSTRUCTION SIGNS

SIGN NO.	SIGN	SIZE INCHES	AREA (SQ.FT.)	QUANTITY	TOTAL AREA (SQ.FT.)	DESCRIPTION
1	G020-1	60 X 24	10.00	2	20.00	ROAD WORK NEXT 2 MILES
2	W020-1	48 X 48	16.00	4	64.00	ROAD WORK AHEAD
7	W020-4	48 X 48	16.00	6	96.00	ONE LANE ROAD AHEAD
8	W020-7a	48 X 48	16.00	4	64.00	FLAGGER (SYMBOL)
26	G020-2	48 X 24	8.00	2	16.00	END ROAD WORK
35	W08-12	48 X 48	16.00	2	32.00	NO CENTER LINE
53	G020-4	36 X 18	4.50	3	13.50	PILOT CAR FOLLOW ME
36	W08-11	48 X 48	16.00	4	64.00	UNEVEN LANES
59	CONST-8	48 X 36	12.00	2	24.00	WORK ZONE NO PHONE ZONE
	G022-1	21 X 15	2.19	4	8.76	WET PAINT (ARROW PIVOTS)
SIDE ROAD PACKAGE - NON-STATE ROUTE - 5 TOTAL						
2	W020-1	48 X 48	16.00	5	80.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	5	80.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	5	80.00	BE PREPARED TO STOP
58	G020-4a	18 X 12	1.50	5	7.50	PILOT CAR IN USE WAIT & FOLLOW
SIDE ROAD PACKAGE - STATE ROUTE - 2 TOTAL						
2	W020-1	48 X 48	16.00	2	32.00	ROAD WORK AHEAD
8	W020-7a	48 X 48	16.00	2	32.00	FLAGGER (SYMBOL)
11	W03-4	48 X 48	16.00	2	32.00	BE PREPARED TO STOP
58	G020-4a	42 X 30	8.75	2	17.50	PILOT CAR IN USE WAIT & FOLLOW
LANE CLOSURE ON A DIVIDED HIGHWAY						
2	W020-1	48 X 48	16.00	2	32.00	ROAD WORK AHEAD
5	W020-5	48 X 48	16.00	2	32.00	RIGHT LANE CLOSED AHEAD
6A	W04-1AL	48 X 48	16.00	1	16.00	MERGE (ARROW SYMBOL) LEFT
6	W020-6A	48 X 48	16.00	1	16.00	RIGHT LANE CLOSED
4	R2-1	36 X 48	12.00	2	24.00	SPEED LIMIT 55
25	R2-1	36 X 48	12.00	2	24.00	SPEED LIMIT 65
54	G020-5AP	36 X 24	6.00	2	12.00	WORK ZONE (PLAQUE)
NOTE: FOR INFORMATIONAL PURPOSES ONLY. SEE LUMP SUM PAY ITEM						

REFER TO STD. PLAN 616.10 FOR SIGN AND SIGN MOUNTING REQUIREMENTS.
REFER TO STD. PLAN 616.20 FOR TEMPORARY TRAFFIC CONTROL PLANS
MOBILE OPERATION TMA'S ARE CONSIDERED INCIDENTAL TO CONSTRUCTION

PAVEMENT MARKINGS

LOG MILE	LOG MILE	LOCATION	STANDARD WATERBORNE PAINT, TYPE P BEADS: 4" YELLOW INTERMITTENT CENTERLINE (LF)	4" YELLOW SOLID/INTERMITTENT CENTERLINE (LF)	4" YELLOW DOUBLE SOLID CENTERLINE (LF)	REMARKS
0.010	0.050	BUS 36			422	
0.050	0.215	BUS 36		1089		WB SOLID/EB INT
0.215	0.870	BUS 36	870			
0.870	0.924	BUS 36			570	
0.938	0.993	BUS 36			581	
0.993	1.698	BUS 36	940			
1.698	1.737	BUS 36			412	
		SUBTOTAL	1,810	1,089	1,985	
		TOTAL		4,884		

LOG MILES ARE APPROXIMATE - MATCH EXISTING STRIPING

LUMP SUM TEMPORARY TRAFFIC CONTROL

ITEM NO.	UNIT	DESCRIPTION
616-99.01	1 LUMP SUM	MISC. LUMP SUM TEMPORARY TRAFFIC CONTROL

TRAFFIC CONTROL DEVICES

QTY.	DESCRIPTION
100	CHANNELIZERS (TRIM-LINE)
14	DIRECTIONAL INDICATOR BARRICADE
1	FLASHING ARROW PANEL

NOTE: FOR INFORMATIONAL PURPOSES ONLY.
SEE LUMP SUM PAY ITEM

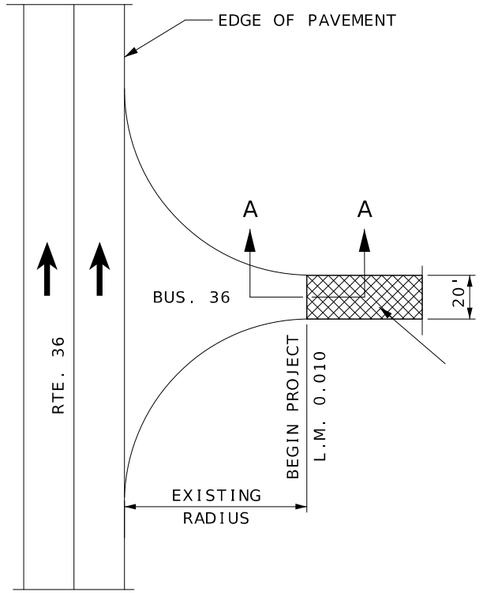
STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER PE-2007020292
PROFESSIONAL ENGINEER
06/17/2024 1:17:52 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED: 6/17/2024
ROUTE: BUS 36 | STATE: MO
DISTRICT: NE | SHEET NO.: 3
COUNTY: SHELBY
JOB NO.: JNE0197
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

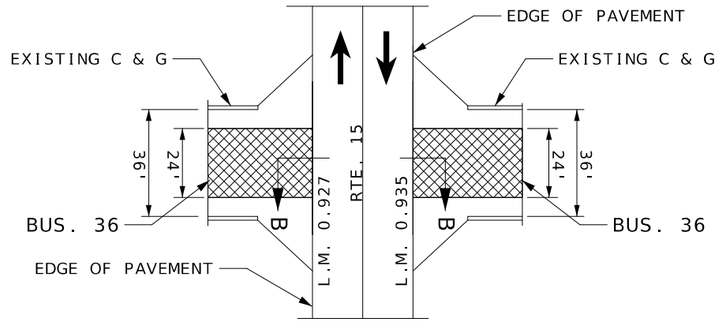
DATE	DESCRIPTION

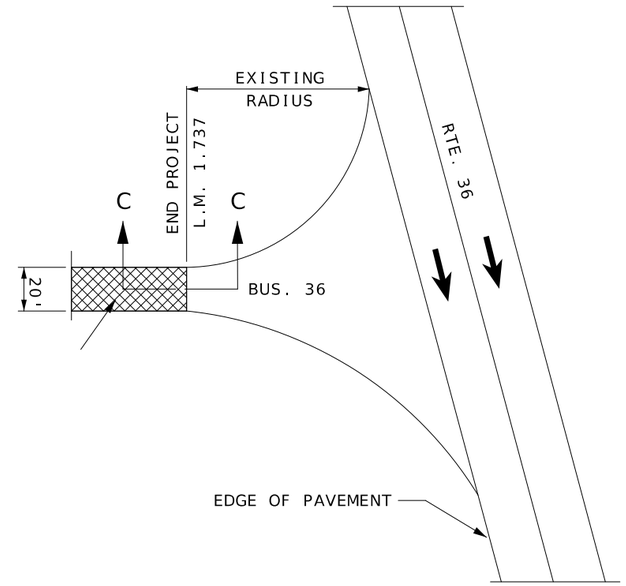
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SUMMARY OF QUANTITIES
SHEET 1 OF 1
NOT TO SCALE

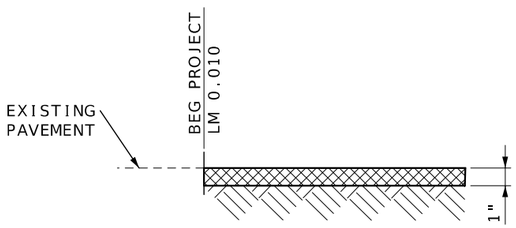


BEGIN PROJECT L.M. 0.010

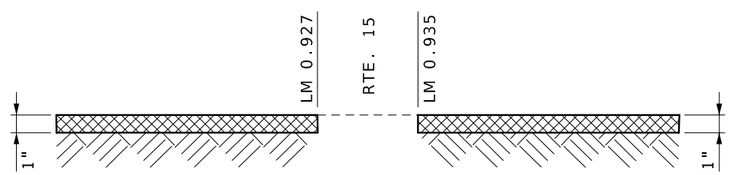




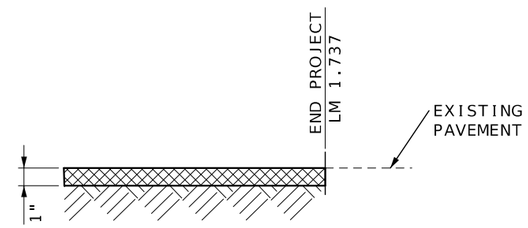
END PROJECT L.M. 1.737



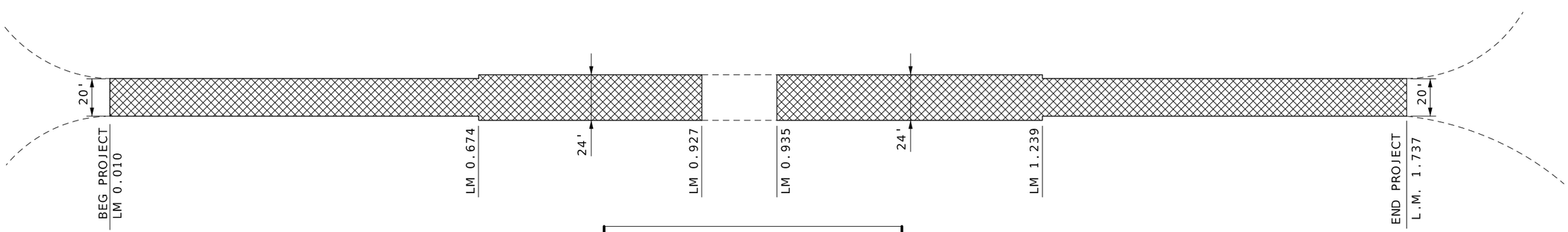
SECTION A-A



SECTION B-B



SECTION C-C



LEGEND

COLDMILL AND OVERLAY

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER

05/31/2024 1:06:43 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

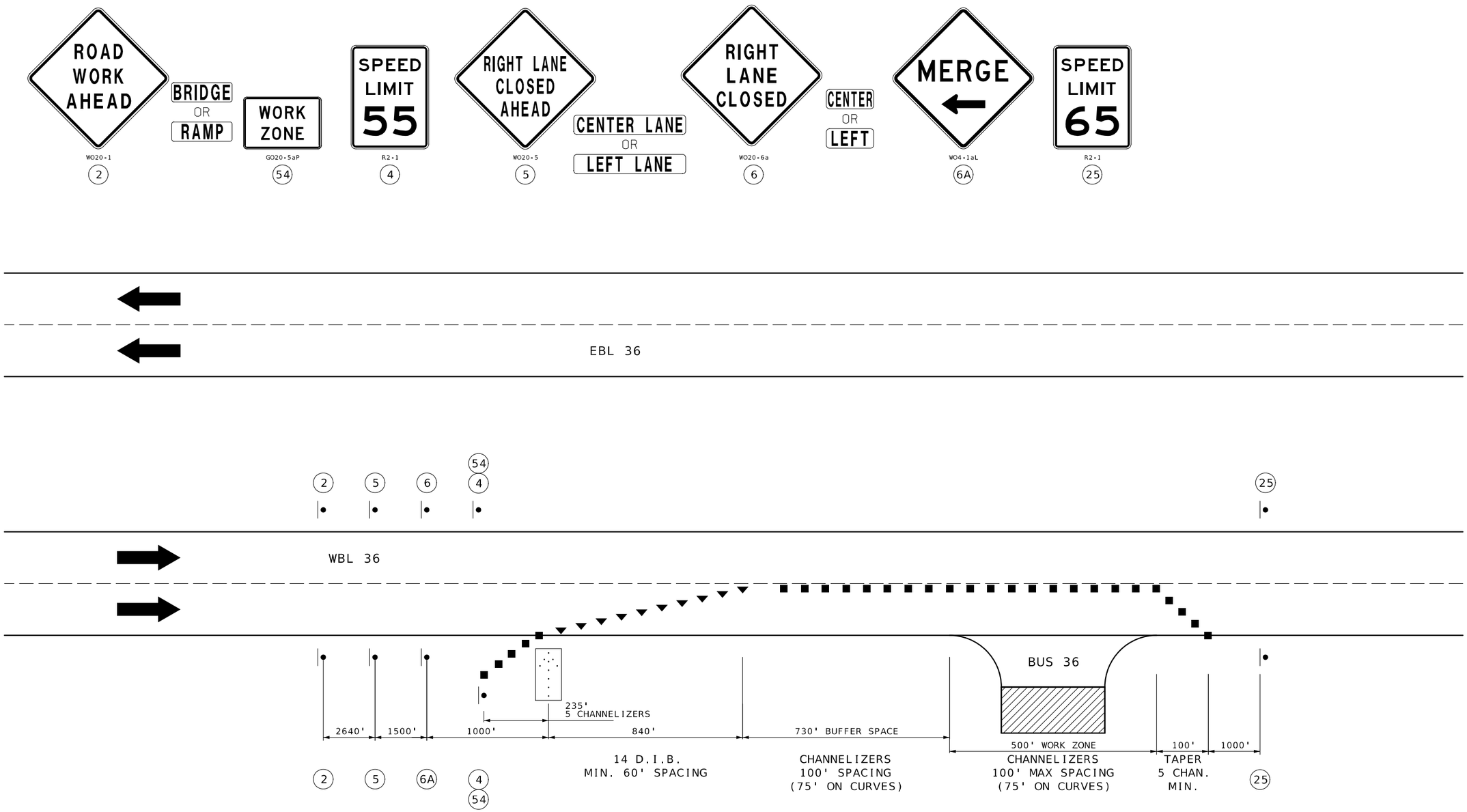
DATE PREPARED	
5/31/2024	
ROUTE	STATE
BUS 36	MO
DISTRICT	SHEET NO.
NE	4
COUNTY	
SHELBY	
JOB NO.	
JNE0197	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SPECIAL SHEET
SHEET 1 OF 1
NOT TO SCALE



TRAFFIC CONTROL LEGEND

- DIRECTIONAL INDICATOR BARRICADE
- CHANNELIZER (TRIM-LINE)
- SIGN
- FLASHING ARROW PANEL

GENERAL NOTES

1. USE IN PLACE ALL SIGNS WHICH DO NOT CONFLICT WITH THIS PLAN. COVER OR REMOVE CONFLICTING SIGNS.

U.S. 36 TRAFFIC CONTROL

STATE OF MISSOURI
KEITH ALLEN KILLEN
NUMBER
PE-2007020292
PROFESSIONAL ENGINEER
05/31/2024 1:07:13 PM
KEITH ALLEN KILLEN - CIVIL
MO-PE-2007020292

DATE PREPARED	5/31/2024
ROUTE	BUS 36
STATE	MO
DISTRICT	NE
SHEET NO.	5
COUNTY	SHELBY
JOB NO.	JNE0197
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL
LANE CLOSURE ON DIVIDED HIGHWAY
SHEET 1 OF 1
NOT TO SCALE